

From klarson@access.digex.net Sat Apr 01 06:57:52 1995
Received: from access1.digex.net (access1.digex.net [164.109.10.3]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id GAA19080 for
<aprssig@tapr.org>; Sat, 1 Apr 1995 06:57:49 -0600
Received: by access1.digex.net id AA01330
(5.67b8/IDA-1.5 for APRSSIG <aprssig@tapr.org>); Sat, 1 Apr 1995 07:57:43 -0500
Date: Sat, 1 Apr 1995 07:57:43 -0500 (EST)
From: Kent Larson <klarson@access.digex.net>
To: APRSSIG <aprssig@tapr.org>
Subject: Need APRS .INI file
Message-Id: <Pine.SUN.3.91.950401072751.794A-100000@access1.digex.net>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello Bob - APR,

I keep seeing questions and suggestions concerning using several types of
setup/config files. I have always wanted APRS to do two things.

First, save ALL parameters that can be customized via menus in a config
file so if I do not want labels, borders or roads to come up I do not have
to reset them every time I load APRS.

Second, use the previous config file to update the new config file when
upgrading versions.

I think a config file structured like a Windows INI file may do the
trick. This would eliminate having to put each parameter on a specific
line number in the file. It could look something like --

```
[mapcmd_features]
all=on
borders=off
calls=on
dim=off
headings=on
labels=off
etc...
```

```
[controls]
bcns=on
dx=off
fade=on
hf=off
log=off
etc...
```

```
[digipaths]
o=wide,wide
e=wb4apr-1,wide
w=wd4hdl-1,wide
etc...
```

[restore_tnc]
be=off
etc...

Notice how I structured the [groups] around the menus.

APRS could spin through the file when it loads and set the parameters accordingly. When someone installs an upgrade and the INI file already exists APRS could use, insert or delete whatever parameters it wants.

Sure would make my life a lot easier and the config file would make sense when you looked at it.

I understand this method may not work with the way APRS is coded but it would be a nice feature if practical.

Anyone else like this idea or have a better one?

Kent

From z002594b@bcfreenet.seflin.lib.fl.us Sat Apr 01 07:53:16 1995
Received: from bcfreenet.seflin.lib.fl.us (bcfreenet.seflin.lib.fl.us [198.78.48.20]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id HAA19268 for <aprssig@tapr.org>; Sat, 1 Apr 1995 07:53:13 -0600
Received: by bcfreenet.seflin.lib.fl.us (4.1/SMI-4.1)
id AA03955; Sat, 1 Apr 95 08:53:05 EST
Date: Sat, 1 Apr 1995 08:53:04 -0500 (EST)
From: William Manley <z002594b@bcfreenet.seflin.lib.fl.us>
Subject: What does it mean?
To: aprssig <aprssig@tapr.org>
Message-Id: <Pine.3.89.9504010815.A1919-01000000@bcfreenet.seflin.lib.fl.us>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Would someone please explain the message on the lower right hand side of the screen saying "Channel loading is xx.x%".

de KB4XE

William Manley
z002594b@bcfreenet.seflin.lib.fl.us

From bruninga@greatlakes.nadn.navy.mil Sat Apr 01 10:53:57 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id KAA19756 for <aprssig@tapr.org>; Sat, 1 Apr 1995 10:53:53 -0600
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA21292; Sat, 1 Apr 95 11:53:17 EST
Date: Sat, 1 Apr 1995 11:53:17 -0500 (EST)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org

Subject: Re: [APRSSIG:554] Re: Help with HSP cable
In-Reply-To: <15021591.0a3e@ram.net>
Message-Id: <Pine.SUN.3.91.950401114453.21279C-1000000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 31 Mar 1995, Jack Anderson wrote:

> I reworked the HSP switch completely. It may have helped the "glitchling"
> messages, but I still seem to be having some problems.
>
> After testing again, I'd characterize the problem as follows:
>
> The problem is this - frequently I do not see the posit updated on the map
> after the "Got good NMEA data" message, even when moving along pretty fast,
> even with a seven sat GPS fix, even with the GPS-45 showing data continuously
> updated, in other words, no breaks in GPS coverage and plenty of change in
> location from the previous 10 second NMEA poll. I've seen it go through over
> four minutes of 10 second polls with no update to the screen, after

APR reply: Hummh. Pse tell me this. When you are "getting good NMEA"
but do NOT see an update on the map, hit the space bar and see if the new
plot is posted. I need to know if the FIX is not getting recognized, or
more simply, the new fix is simply NOT getting plotted until the next
packet goes out.

ANOTHER test that would be useful, would be to hit the P-LIST every 10
seconds and see if the posit is being updated, but just not displayed...

> hardware handshaking enabled. "Normal" hardware handshaking uses RTS/CTS, at
> least that's been my personal experience in the dialup modem world. DTR is
> usually used (in dialup modems) to tell the modem to go on-hook. So, do you

APR REPLY: I agree that many people use RTS, but after my 20 years of
messing with RS-232, I was surprised when I re-read the SPEC and realized
that the definition of RTS (from the terminal to the modem that says I am
ready to SEND data, actually has NOTHING to do with whether the terminal
is ready to RECEIVE data. Only the DTR line can say that according to
the SPEC. SO there we have the problem. The SPEC says one thing, and
a lot of folks have by default done something else (to save one wire)
From bruninga@greatlakes.nadn.navy.mil Sat Apr 01 11:05:13 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id LAA19850 for
<aprssig@tapr.org>; Sat, 1 Apr 1995 11:05:05 -0600
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA21324; Sat, 1 Apr 95 12:04:28 EST
Date: Sat, 1 Apr 1995 12:04:27 -0500 (EST)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:558] Need APRS .INI file
In-Reply-To: <Pine.SUN.3.91.950401072751.794A-1000000@access1.digex.net>

Message-Id: <Pine.SUN.3.91.950401120252.21279F-100000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 1 Apr 1995, Kent Larson wrote:

> I keep seeing questions and suggestions concerning using several types of
> setup/config files. I have always wanted APRS to do two things.
>
> Use the previous config file to update the new config file when
> upgrading versions.
>
> I think a config file structured like a Windows INI file may do the
> trick. This would eliminate having to put each parameter on a specific
> line number in the file.

APR REPLY: Good idea. Will probably do that when I get arround to it...
hi hi

From bruninga@greatlakes.nadn.navy.mil Sat Apr 01 11:12:28 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id LAA19876 for
<aprssig@tapr.org>; Sat, 1 Apr 1995 11:12:23 -0600
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA21332; Sat, 1 Apr 95 12:11:48 EST
Date: Sat, 1 Apr 1995 12:11:47 -0500 (EST)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:559] What does it mean?
In-Reply-To: <Pine.3.89.9504010815.A1919-0100000@bcfreenet.seflin.lib.fl.us>
Message-Id: <Pine.SUN.3.91.950401120448.21279G-100000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 1 Apr 1995, William Manley wrote:

> Would someone please explain the message on the lower right hand side of
> the screen saying "Channel loading is xx.x%".

APR REPLY: SINce APRS is operating on a CSMA channel, the nominal
throughput of such a channel is about 36% of total channel capacity. But
since we use digipeaters and we have the ole' hidden transmitter problem
which makes more colisions, the actual throughput is less. Therefor I
assumed that the APRS frequency is 100% loaded when it is passing packets
30% of the time. If the channel was passing continuous packets (100% of
original channel capacity) then you could see the APRS channel capacity
go up to 330%!

But this is all theoretical, since if the channel is 100% busy, then you
can also say that NOONE else is getting through. Thats why if you are
hearing packets more than 30% of the time, then there are a lot of

stations out there that are NOT getting through (PROBABLY)...

From bruninga@greatlakes.nadn.navy.mil Sat Apr 01 11:21:07 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id LAA20028 for
<aprssig@tapr.org>; Sat, 1 Apr 1995 11:21:00 -0600
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA21377; Sat, 1 Apr 95 12:20:22 EST
Date: Sat, 1 Apr 1995 12:20:21 -0500 (EST)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: QRP single freq HF rig
Message-Id: <Pine.SUN.3.91.950401121341.21279H-100000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have seen the ad for a 5 watt HF single band QRP kit for \$69. I was all ready to buy it, but they didnt answer the phone on the weekend, and by the time monday rolled around I had lost the ad. IF IT WORKS, it could make a nice "under-the-seat" GPS tracking transmitter for the 10.151 MHZ APRS tracking net.

It is NOT the separate RCVR, XMTR, and PA sold by RAMSEY... The unit costs add up to more than \$69....

From janderson@ram.net Sat Apr 01 11:58:12 1995
Received: from ram.net (ram.net [199.97.216.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id LAA20198 for <aprssig@tapr.org>; Sat, 1 Apr 1995 11:58:08 -0600
Received: by ram.net (5.65/1.3-eeef)
id AA11563; Sat, 1 Apr 95 12:55:06 -0500
From: janderson@ram.net (Jack Anderson)
To: aprssig@tapr.org
Subject: Re: [APRSSIG:560] Re: Help with HSP cable
Date: Sat, 01 Apr 95 12:56:24 GMT
Message-Id: <15021591.0a42@ram.net>
Version: RAMail 2.8n
Location: TYSON'S CORNER (2712) MCLEAN, VA

>APR reply: Hummh. Pse tell me this. WHEN you are "getting good NMEA"
>but do NOT see an update on the map, hit the space bar and see if the new
>plot is posted. I need to know if the FIX is not getting recognized, or
>more simply, the new fix is simply NOT getting plotted until the next
>packet goes out.
>
>ANOTHER test that would be useful, would be to hit the P-LIST every 10
>seconds and see if the posit is being updated, but just not displayed...

No new posit is posted when I hit the spacebar, and the position in the P-List stays the same throughout. I notice the P-list says "Last NMEA fix". It's like it is reading the NMEA data and seeing the same position from the GPS every time it toggles. I guess I can play the NMEA data to see if it changes, but it moves too fast for me to see in OPS-COMM-GPS. It's possible

the GPS could have a problem, but it is brand new, and maintains GPS lock the whole time this is happening.

From janderson@ram.net Sat Apr 01 12:01:44 1995

Received: from ram.net (ram.net [199.97.216.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id MAA20212 for <aprssig@tapr.org>; Sat, 1 Apr 1995 12:01:41 -0600

Received: by ram.net (5.65/1.3-eef)

id AA11581; Sat, 1 Apr 95 12:58:38 -0500

From: janderson@ram.net (Jack Anderson)

To: aprssig@tapr.org

Subject: Re: RTS/CTS

Date: Sat, 01 Apr 95 13:00:12 GMT

Message-Id: <15021591.0a43@ram.net>

Version: RAMail 2.8n

Location: TYSON'S CORNER (2712) MCLEAN, VA

>APR REPLY: I agree that many people use RTS, but after my 20 years of
>messing with RS-232, I was surprised when I re-read the SPEC and realized
>that the definition of RTS (from the terminal to the modem that says I am
>ready to SEND data, actually has NOTHING to do with whether the terminal
>is ready to RECEIVE data. Only the DTR line can say that according to
>the SPEC. SO there we have the problem. The SPEC says one thing, and
>a lot of folks have by default done something else (to save one wire)

I agree completely. As long as the DCE knows what you are doing this should work fine. If you toggle DTR on most dialup modems, they will go on-hook, terminating any active connection that may be up. They seem to be looking at RTS/CTS to control the flow of data.

Jack

From W2HOB@aol.com Sat Apr 01 12:16:18 1995

Received: from mail04.mail.aol.com (mail04.mail.aol.com [152.163.172.53]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id MAA20341 for <aprssig@tapr.org>; Sat, 1 Apr 1995 12:16:15 -0600

From: W2HOB@aol.com

Received: by mail04.mail.aol.com

(1.37.109.11/16.2) id AA166300173; Sat, 1 Apr 1995 13:16:13 -0500

Date: Sat, 1 Apr 1995 13:16:13 -0500

Message-Id: <950401131611_68375022@aol.com>

To: aprssig@tapr.org

Subject: Re: [APRSSIG:558] Need APRS

Hello all... I'm new to APRSSIG, but not to APRS. I read with interest a comment from someone who thought it would be a good idea if APRS would save its configuration in a .INI file similar to WINDOWS so APRS would boot up exactly the way you would want it to.

I agree and have wanted to mention this to Bob, APR, but I am one of the great procrastinators! I think this would be invaluable for applications such as a standalone receive-only terminal at a place such as the NWS/NOAA office where forecasters may be watching amateur radio/SKYWARN reports... if they lost power or took any glitch and found it necessary to reboot their computer, it would come up in exactly the configuration they wanted it to be

in.

How about that Bob... any possibility this is feasible? 73 de Boyd

From z002594b@bcfreenet.seflin.lib.fl.us Sat Apr 01 15:05:48 1995
Received: from bcfreenet.seflin.lib.fl.us (bcfreenet.seflin.lib.fl.us
[198.78.48.20]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id PAA20934
for <aprssig@tapr.org>; Sat, 1 Apr 1995 15:05:41 -0600
Received: by bcfreenet.seflin.lib.fl.us (4.1/SMI-4.1)
id AA15567; Sat, 1 Apr 95 16:05:11 EST
Date: Sat, 1 Apr 1995 16:05:11 -0500 (EST)
From: William Manley <z002594b@bcfreenet.seflin.lib.fl.us>
Subject: Re: [APRSSIG:562] Re: What does it mean?
To: aprssig@tapr.org
Cc: aprssig@tapr.org
In-Reply-To: <Pine.SUN.3.91.950401120448.21279G-1000000@greatlakes.nadn.navy.mil>
Message-Id: <Pine.3.89.9504011535.A12169-01000000@bcfreenet.seflin.lib.fl.us>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gee Bob,
T U for the explanation. Now I feel better while understanding that no
surepticious (sp?) messages are being passed.

Perhaps in the future (version 8.8c) you might consider adding a README
explaining the more esoteric aspects of APRS (I'll say it for you: Hi,
Hi). It's a great program Bob and, as you can see from the posted
interest, it has wide application. Some of us (at least me) like to
understand what is happening within the program as we enjoy its application.

regards,
KB4XE

William Manley
z002594b@bcfreenet.seflin.lib.fl.us

> On Sat, 1 Apr 1995, Robert Bruninga wrote:
>
> On Sat, 1 Apr 1995, William Manley wrote:
>
> > Would someone please explain the message on the lower right hand side of
> > the screen saying "Channel loading is xx.x%".
>
> APR REPLY: SInce APRS is operating on a CSMA channel, etc.
>

From brad@ecst.csuchico.edu Sat Apr 01 15:23:04 1995
Received: from hairball.ecst.csuchico.edu (hairball.ecst.csuchico.edu
[132.241.1.108]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTMP id
PAA21049 for <aprssig@tapr.org>; Sat, 1 Apr 1995 15:22:59 -0600
Received: from nbdyn53.dip.CSUCHico.EDU (nbdyn53.dip.CSUCHico.EDU
[132.241.248.53]) by hairball.ecst.csuchico.edu (8.6.11/8.6.10) with SMTP id
NAA20778 for <aprssig@tapr.org>; Sat, 1 Apr 1995 13:19:09 -0800

Date: Sat, 1 Apr 1995 13:19:09 -0800
Message-Id: <199504012119.NAA20778@hairball.ecst.csuchico.edu>
X-Sender: brad@ecst.csuchico.edu (Unverified)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: brad@ecst.csuchico.edu (Bradley L Ambers)
Subject: [APRSSIG:548] Digipeater Problem Solved
X-Mailer: <Windows Eudora Version 1.4.2b16>

Yes, there was a problem with the storing of the Digipeater Paths but in reality there is no real problem, only that you have to perform another function..

When you O-D-V and SAVE the different digipeater paths, when you O-D-L you will see them all as you saved them BUT they are stored ONLY in RAM, not in any file!

For you to use them again, lets say tomorrow, you MUST use the ALT-S to save them (Digipath list) to the config file. YUP, it works....

73 de Rod

From gpoland@aztec.asu.edu Sat Apr 01 15:40:23 1995
Received: from post3.inre.asu.edu (post3.INRE.ASU.EDU [129.219.10.148]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id PAA21202 for <aprssig@tapr.org>; Sat, 1 Apr 1995 15:40:21 -0600
Received: from aztec.asu.edu by asu.edu (PMDF V4.3-10 #7723) id <01H0TTPVUGM88X140L@asu.edu>; Sat, 01 Apr 1995 14:40:17 -0700 (MST)
Received: by aztec.asu.edu (4.1/SMI-4.1) id AA16074; Sat, 1 Apr 95 14:40:15 MST
Date: Sat, 01 Apr 1995 14:40:15 -0700 (MST)
From: gpoland@aztec.asu.edu (GEORGE J. POLAND)
Subject: dead recjib reckoning on hf
To: aprssig@tapr.org
Reply-to: gpoland@aztec.asu.edu
Message-id: <9504012140.AA16074@aztec.asu.edu>
Content-transfer-encoding: 7BIT

I have noticed that dead reckoning seems to work fine on vhf but not on hf and after changeing this and that, if you remove the word 'gate' from your unproto path and press C-V then the HF dead reckoning works when you input data via the I-M procedure.

Am I imagining this problem, as no one else seems to notice it.

73, george - w8fwf

From largriff@onramp.net Sat Apr 01 16:21:49 1995
Received: from ns.onramp.net (ns.onramp.net [199.1.11.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id QAA21358 for

<aprssig@tapr.org>; Sat, 1 Apr 1995 16:21:46 -0600
Received: from 199.1.172.129 (lub01.onramp.net [199.1.172.129]) by ns.onramp.net
(8.6.5/8.6.5) with SMTP id QAA16775 for <aprssig@tapr.org>; Sat, 1 Apr 1995
16:21:43 -0600
Date: Sat, 1 Apr 1995 16:21:43 -0600
Message-Id: <199504012221.QAA16775@ns.onramp.net>
From: largriff@onramp.net
Subject: Subscribe
To: aprssig@tapr.org
Return-Receipt-To: largriff@onramp.net
X-Mailer: AIR Mail 3.X (SPRY, Inc.)

How can I join or subscribe to this SIG?

From hurlockw@netaxis.com Sun Apr 02 08:43:40 1995
Received: from netaxis.com (eliza.netaxis.com [198.69.103.2]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id IAA24260 for
<aprssig@tapr.org>; Sun, 2 Apr 1995 08:43:36 -0500
Received: from mail.netaxis.com (eliza.netaxis.com) by netaxis.com (5.0/SMI-SVR4)
id AA00414; Sun, 2 Apr 1995 09:46:38 +0500
Message-Id: <9504021346.AA00414@netaxis.com>
X-Sender: hurlockw@netaxis.com
X-Mailer: Windows Eudora Version 1.4.4
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 02 Apr 1995 08:44:11 -0400
To: aprssig@tapr.org
From: hurlockw@netaxis.com (Bill Hurlock)
Subject: Re: [APRSSIG:564] Re: Help with HSP cable
content-length: 1641

Bob, this is basically the same problem that I am seeing without the TNC
connected. I was out with just my laptop connected to the Garman GPS-45. I
was the person who brought the GPS-45 problem to your attention concerning
missing Altitude fixes.

Is there a possibility that the GPS-45 is sending too much data to the APRS
program and possibly over running a buffer? I checked the the users guide
and there is no mention of a way to select what sentences are output from
the 45 or what rate the updates are output.

>>APR reply: Hummh. Pse tell me this. When you are "getting good NMEA"
>>but do NOT see an update on the map, hit the space bar and see if the new
>>plot is posted. I need to know if the FIX is not getting recognized, or
>>more simply, the new fix is simply NOT getting plotted until the next
>>packet goes out.

>>

>>ANOTHER test that would be useful, would be to hit the P-LIST every 10
>>seconds and see if the posit is being updated, but just not displayed...

>

>No new posit is posted when I hit the spacebar, and the position in the
>P-List stays the same throughout. I notice the P-list says "Last NMEA
>fix". It's like it is reading the NMEA data and seeing the same position from
>the GPS every time it toggles. I guess I can play the NMEA data to see if it
>changes, but it moves too fast for me to see in OPS-COMM-GPS. It's possible

Jack

From bruninga@greatlakes.nadn.navy.mil Sun Apr 02 15:57:08 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id PAA25859 for
<aprssig@tapr.org>; Sun, 2 Apr 1995 15:57:02 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA23133; Sun, 2 Apr 95 16:55:59 EDT
Date: Sun, 2 Apr 1995 16:55:58 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:566] Re: Need APRS
In-Reply-To: <950401131611_68375022@aol.com>
Message-Id: <Pine.SUN.3.91.950402165207.23093D@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 1 Apr 1995 W2HOB@aol.com wrote:

> Hello all... I'm new to APRSSIG, but not to APRS. I read with interest a
> comment from someone who thought it would be a good idea if APRS would save
> its configuration in a .INI file similar to WINDOWS so APRS would boot up
> exactly the way you would want it to.
>
> I think this would be invaluable for applications such
> as a standalone receive-only terminal at a place such as the NWS/NOAA office
> where forecasters may be watching amateur radio/SKYWARN reports...

ANSWER: APRS already comes up from a CONFIG file in exactly the mode you
want it. Am I missing something?

The only issue that I have heard of is having to RE-CONFIGURE each time the
user starts up a NEW aprs version with a DIFFERENT config file format.

From mwalker@interlog.com Sun Apr 02 17:33:26 1995
Received: from gold.interlog.com (gold.interlog.com [198.53.145.2]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTMP id RAA26281 for
<aprssig@tapr.org>; Sun, 2 Apr 1995 17:33:23 -0500
Received: from (mwalker.interlog.com [199.212.152.131]) by gold.interlog.com
(8.6.9/8.6.9) with SMTP id SAA08029 for aprssig@tapr.org; Sun, 2 Apr 1995 18:33:18
-0400
Message-Id: <199504022233.SAA08029@gold.interlog.com>
Date: Sun, 02 Apr 95 18:32:58 EDT
From: mwalker@gold.interlog.com (Mike Walker)
Reply-To: mwalker@interlog.com (Mike Walker)
To: aprssig@tapr.org
X-Mailer: PMMail (v1.0 UNREGISTERED SHAREWARE)
Subject: PK-12 with Standalone mode

I have received an updated EPROM for the good people at AEA. This
problem solves the problem with the course and speed from a mobile
user.

Now, all the DOS users are getting a course and speed vector, but the people with the current version of the Mac software are not.

If you are using a PK-12 in standalone mode, then you should get a new eprom from AEA. As far as I am aware, this is the only problem the update addresses.

(BTW, it seems as if my subscription to this sig was deleted. Is there something I have to do to "renew it"?)

Regards...mike

Mike Walker
127 High St. W.
Mississauga, ON
L5H 1K4

mwalker@interlog.com
va3mw@va3bbs

From rudyh@tenet.edu Sun Apr 02 18:53:13 1995
Received: from Gayle-Gaston.tenet.edu (Gayle-Gaston.tenet.edu [198.213.2.8]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id SAA26532 for <aprssig@tapr.org>; Sun, 2 Apr 1995 18:53:11 -0500
Received: (from rudyh@localhost) by Gayle-Gaston.tenet.edu (8.6.11/8.6.9) id SAA03997; Sun, 2 Apr 1995 18:53:10 -0500
Date: Sun, 2 Apr 1995 18:53:09 -0500 (CDT)
From: Rudy Hardy <rudyh@tenet.edu>
To: aprssig@tapr.org
Subject: subscribe
Message-ID: <Pine.OSF.3.91.950402185230.3700A-100000@Gayle-Gaston.tenet.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

subscribe

From mwalker@interlog.com Sun Apr 02 20:02:06 1995
Received: from gold.interlog.com (gold.interlog.com [198.53.145.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id UAA26668 for <aprssig@tapr.org>; Sun, 2 Apr 1995 20:02:01 -0500
Received: from (mwalker.interlog.com [199.212.152.131]) by gold.interlog.com (8.6.9/8.6.9) with SMTP id UAA20167 for aprssig@tapr.org; Sun, 2 Apr 1995 20:54:26 -0400
Message-Id: <199504030054.UAA20167@gold.interlog.com>
Date: Sun, 02 Apr 95 20:54:06 EDT
From: mwalker@gold.interlog.com (Mike Walker)
Reply-To: mwalker@interlog.com (Mike Walker)
To: aprssig@tapr.org
X-Mailer: PMMail (v1.0 UNREGISTERED SHAREWARE)
Subject: VHF Frequency in Canada

Subject: VHF Frequency in Canada

About 2 months ago those in charge of Bandplanning have authorized the following frequency for continuous APRS coverage:

145.390 MHz

In the Toronto area we already have one Digi set up (VE3YYZ) and occassionally you will see a Gate set up.

Mike Walker
127 High St. W.
Mississauga, ON
L5H 1K4

mwalker@interlog.com
rf: va3mw@va3bbs

Mike Walker
127 High St. W.
Mississauga, ON
L5H 1K4

mwalker@interlog.com
rf: va3mw@va3bbs

From ksproul@hardees.rutgers.edu Sun Apr 02 20:20:08 1995
Received: from hardees.rutgers.edu (hardees.rutgers.edu [128.6.18.2]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id UAA26787 for
<aprssig@tapr.org>; Sun, 2 Apr 1995 20:20:04 -0500
Received: (from ksproul@localhost) by hardees.rutgers.edu
(8.6.10+bestmx+oldruq+newsunq+grosshack/8.6.10) id VAA16742; Sun, 2 Apr 1995
21:17:07 -0400
Sender: Keith Sproul <ksproul@hardees.rutgers.edu>
Date: Sun, 2 Apr 95 21:17:07 EDT
From: Keith Sproul <ksproul@hardees.rutgers.edu>
Reply-To: Keith Sproul <ksproul@hardees.rutgers.edu>
To: aprssig@tapr.org
Cc: sproul@eos.ap.org
Subject: MacAPRS for PowerPC
Message-ID: <CMM-RU.1.4.796871827.ksproul@hardees.rutgers.edu>

The PowerPC version of MacAPRS 1.4.2 is now up on both ftp.tapr.org and
ftp.ucsd.edu.

If you have a PowerPC, you REALLY should get this version! It is FAST!!

Also, if you DO have a PowerPC, and DO get this version, please let me know.

Keith Sproul

Keith Sproul
Student Housing Network Coordinator
Rutgers University Computing Services

WU2Z
ksproul@noc.rutgers.edu
908 445-3695 Work
908 821-4828 Home

From K2ADJ@aol.com Sun Apr 02 21:16:42 1995
Received: from mail04.mail.aol.com (mail04.mail.aol.com [152.163.172.53]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id VAA27078 for
<aprssig@tapr.org>; Sun, 2 Apr 1995 21:16:39 -0500
From: K2ADJ@aol.com
Received: by mail04.mail.aol.com
(1.37.109.11/16.2) id AA116775398; Sun, 2 Apr 1995 22:16:38 -0400

Date: Sun, 2 Apr 1995 22:16:38 -0400
Message-Id: <950402221634_69583592@aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:573] Re: Need AP...

Config file like the "*.ini" files in windows..

What the gang is also refering too Bob is the fact that when you load up the system and the map is displayed, all those things you do for your likeing, such as What you want to display, such as Labels, callsigns, types of objects you have to do it every time you bring up APRS, the reason being, when you set up the system to the way you want it, then ALT-S-SAVE, those other things like labels, callsigns, tint, object in the just-one...etc ARE NOT SAVED TO the present config file.

73 de Rod

From dhenders@InterServ.Com Sun Apr 02 21:33:45 1995
Received: from InterServ.Com (troil.interserv.net [165.121.1.68]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id VAA27249 for <aprssig@tapr.org>; Sun, 2 Apr 1995 21:33:42 -0500
From: dhenders@InterServ.Com
Received: from 204.120.34.75 ([204.120.34.75]) by InterServ.Com (4.1/SMI-4.1) id AA01906; Sun, 2 Apr 95 19:32:43 PDT
Date: Sun, 2 Apr 95 19:32:42 PDT
Message-Id: <9504030232.AA01906@ InterServ.Com>
Subject: Re: [APRSSIG:576] VHF Frequency in Canada
To: aprssig@tapr.org
X-Mailer: AIR Mail 3.X (SPRY, Inc.)

Are you sure of that freq. (145.39). That is a repeater output freq.

I think you meant 144.39. Unfortunately for the satellite people that is an Oscar freq.

73, Dave, N3EOY

From W2HOB@aol.com Sun Apr 02 21:37:29 1995
Received: from mail02.mail.aol.com (mail02.mail.aol.com [152.163.172.66]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id VAA27301 for <aprssig@tapr.org>; Sun, 2 Apr 1995 21:37:27 -0500
From: W2HOB@aol.com
Received: by mail02.mail.aol.com (1.37.109.11/16.2) id AA258246646; Sun, 2 Apr 1995 22:37:26 -0400
Date: Sun, 2 Apr 1995 22:37:26 -0400
Message-Id: <950402223725_69607431@aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:573] Re: Need AP...

Well, Bob, the "default" booting I was thinking of is something like:

MAP-FEATURES-DIM
MAP-FEATURES-CALLS (OFF)
MAP-FEATURES-LABELS (OFF)
LOGGING OFF
DEAD RECKONING OFF

Right now, I must turn each of these features on or off when I boot APRS.
Yes, I know the program boots from the CFG file of which several could be kept, but some of the features above default to ON conditions. The program does remember BEEPS on or off!

Have I missed something or has 6.7b included my wish list above?! I really need to sit and read the latest docs!

73 de Boyd AR

From cap@cruzio.com Mon Apr 03 03:40:05 1995
Received: from mail.netcom.com (mail.netcom.com [192.100.81.99]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id DAA29634 for <aprssig@tapr.org>; Mon, 3 Apr 1995 03:40:03 -0500
Received: from cruzio.com by mail.netcom.com (8.6.11/Netcom) id BAA04891; Mon, 3 Apr 1995 01:37:21 -0700
Message-Id: <199504030837.BAA04891@mail.netcom.com>
Subject: problem in 6.7a
To: aprssig@tapr.org
Date: Mon, 3 Apr 95 1:37:27 PDT
From: Cap Pennell <cap@cruzio.com>
X-Mailer: ELM [version 2.3 PL0]

I can't seem to mark large areas on the map in 6.7a. I used to be able to draw a large colored circle after hitting: home (the center of the circle) and then moving the cursor to the edge of the circle I wanted. I would then hit: I,A,<CR>,<CR>,test1,0,A,C,Y,10,<CR>,<CR>,Y
This no longer seems to work in version 6.7a (snivel,snivel). Suggestions?

--

```
+-----+
| Cap Pennell                               email: cap@cruzio.com
| Santa Cruz, CA                           packet radio: ke6afe@kg6ee.#nocal.ca.usa.noam
|                                           Lat:36degs,58mins,55secsN. Long:122degs,00mins,53secsW.
+-----+
```

From mwalker@interlog.com Mon Apr 03 07:11:48 1995
Received: from gold.interlog.com (gold.interlog.com [198.53.145.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id HAA30115 for <aprssig@tapr.org>; Mon, 3 Apr 1995 07:11:44 -0500
Received: from (mwalker.interlog.com [199.212.152.131]) by gold.interlog.com (8.6.9/8.6.9) with SMTP id IAA26408; Mon, 3 Apr 1995 08:11:33 -0400
Message-Id: <199504031211.IAA26408@gold.interlog.com>
Date: Mon, 03 Apr 95 08:11:11 EDT
From: mwalker@gold.interlog.com (Mike Walker)
Reply-To: mwalker@interlog.com (Mike Walker)

To: ke6jgn@garlic.com
Cc: aprssig@tapr.org
X-Mailer: PMMail (v1.0 UNREGISTERED SHAREWARE)
Subject: Re: PK-12 and standalone mode

On Sun, 2 Apr 1995 21:37:18 -0700 you wrote:

>Mike,
>I saw your post on the APRSSIG about the new EPROM fixing the course and speed
>problem in the PK-12. You said that is the only problem that the update fixes,
>what are the other problems? I also have a PK-12, and I will call tomorrow to
>get a new EPROM.

>

>Brent , ke6jgn@garlic.com

>

Hello Brent,

I haven't found any other problems with the PK-12 yet, as I have been using it ONLY for GPS. As far as I have heard it works fine for all its other features. The fix only affects course and speed when you have a GPS plugged into the RS-232 port. Nothing else (there was a CRLF missing between the \$GNMEA1 sentence and the \$GNMEA2 sentence.)

Mike Walker
127 High St. W.
Mississauga, ON
L5H 1K4

mwalker@interlog.com
rf: va3mw@va3bbs

From mwalker@interlog.com Mon Apr 03 07:24:45 1995

Received: from gold.interlog.com (gold.interlog.com [198.53.145.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id HAA30196 for <aprssig@tapr.org>; Mon, 3 Apr 1995 07:24:42 -0500

Received: from (mwalker.interlog.com [199.212.152.131]) by gold.interlog.com (8.6.9/8.6.9) with SMTP id IAA27158 for aprssig@tapr.org; Mon, 3 Apr 1995 08:24:36 -0400

Message-Id: <199504031224.IAA27158@gold.interlog.com>

Date: Mon, 03 Apr 95 08:24:13 EDT

From: mwalker@gold.interlog.com (Mike Walker)

Reply-To: mwalker@interlog.com (Mike Walker)

To: aprssig@tapr.org

X-Mailer: PMMail (v1.0 UNREGISTERED SHAREWARE)

Subject: Re: [APRSSIG:579] Re: VHF Frequency in Canada

On Sun, 2 Apr 1995 21:44:04 -0500 you wrote:

>Are you sure of that freq. (145.39). That is a repeater
>output freq.

>

>I think you meant 144.39. Unfortunately for the satellite
>people that is an Oscar freq.

>

>73, Dave, N3EOY

>

>

oopps it is 144.390 MHz,

Which satellite does that affect? I thought it most of the satellite downlinks were in the upper 145 Mhz (ie: A0-13 beacon is at 145.812, and RS-10 is at uplinked at 145.910-145.950)

Cheers....mike

Mike Walker
127 High St. W.
Mississauga, ON
L5H 1K4

mwalker@interlog.com
rf: va3mw@va3bbs

From bruninga@greatlakes.nadn.navy.mil Mon Apr 03 08:27:21 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id IAA30631 for
<aprssig@tapr.org>; Mon, 3 Apr 1995 08:27:17 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA26138; Mon, 3 Apr 95 09:26:39 EDT
Date: Mon, 3 Apr 1995 09:26:38 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re:(2) More on HSP problems
In-Reply-To: <15021591.0a4a@ram.net>
Message-Id: <Pine.SUN.3.91.950403091717.25935A@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 2 Apr 1995, Jack Anderson wrote:

>
> I activated alt-S-GPS-InfoGGA and drove around the neighborhood for about 30
> minutes. I have my GPS-45 set for NMEA 0183 2.0. From what I can see in
> O-C-G, it seems to be spitting out the following sentences:
>
> RMC RMB GGA GSA GSV GSV RME GLL RMZ RMM RTE

APR REPLY: And NOW WE SEE THE PROBLEM! Notice that APRS looks for RMC, GGA or GLL and then looks for VTG. In the case of the GARMIN GPS-45 which outputs all of the NMEA strings above, APRS gets an RMC, then a GGA, and then while still looking for a VTG (there is none) it begins to get the GLL. Since it uses the last one obtained, there is a good chance that it is halfway through parsing the final GLL when the 2 sec timer gives up on the VTG, which then switches back the HSP. APRS sees an incomplete GLL or whatever, and aborts the whole thing... resulting in no POSIT.

THE FIX: Simple, I will just make APRS look for RMC, GGA, and GLL in heirarchical order. Once it has one, it will NOT continue to accept additional ones while waiting for the VTG. This FIX will be in 6.8 along with a new READ MESSAGE screen that keeps MESSAGES OFF the map. This will keep the map from getting trashed with messages...

From bruninga@greatlakes.nadn.navy.mil Mon Apr 03 08:30:17 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])

by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id IAA30672 for
<aprssig@tapr.org>; Mon, 3 Apr 1995 08:30:14 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA26189; Mon, 3 Apr 95 09:29:33 EDT
Date: Mon, 3 Apr 1995 09:29:33 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: MAPFIX68.BAS (fwd)
Message-Id: <Pine.SUN.3.91.950403092833.25935C-100000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

----- Forwarded message -----
From: Dan Reilly <72076.2270@compuserve.com>

Bob, Belay my last. By deleting the info screens in MAPFIX68, I have no memory problems. This may be of use to others with scarce memory.

From bruninga@greatlakes.nadn.navy.mil Mon Apr 03 08:59:13 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id IAA30870 for
<aprssig@tapr.org>; Mon, 3 Apr 1995 08:59:05 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA26622; Mon, 3 Apr 95 09:58:24 EDT
Date: Mon, 3 Apr 1995 09:58:24 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:576] VHF Frequency in Canada
In-Reply-To: <199504030054.UAA20167@gold.interlog.com>
Message-Id: <Pine.SUN.3.91.950403094353.25935D-100000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 2 Apr 1995, Mike Walker wrote:

>
> About 2 months ago those in charge of Bandplanning have authorized the
> 145.39 MHz frequency for continuous APRS coverage throughout canada

APR COMMENT: In trying to find a universal tracking frequency, it is recognized that there will be conflicts with 145.79 in some areas. But the advantages of a SINGLE continenent-wide GPS tracking network will be significant. We are only just beginnning to see the tremendous potential of this capability.

My recommendation is that 145.79 be used WHEREVER POSSIBLE, and that exceptions be made on a case-by-case basis. Why put all of CANADA on a different frequency, when only 2 cities have the problem?

In just a few months you will begin to see crackerjack size trackers and all will be XTAL controlled. Remember we are talking about MOBILES, and

mobiles do travel. AND the further they travel the MORE IMPORTANT THE TRACKING (usually). Do we want everyone to disappear from GPS tracking systems when they cross the CANADIAN border? Going either way, it's the same...

Yes, many people are using synthesized radios now, but as the GPS tracker becomes an imbedded device used as an everyday appliance, the use of a \$350 radio where a \$99 one will do, will fade away.

I am very pleased to see the effort and results of being able to declare a national CANADIAN GPS tracking frequency, but I would ask that the long term effects of such a commitment be seriously considered...

From bruninga@greatlakes.nadn.navy.mil Mon Apr 03 09:03:46 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id JAA30889 for
<aprssig@tapr.org>; Mon, 3 Apr 1995 09:03:43 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA26705; Mon, 3 Apr 95 10:03:07 EDT
Date: Mon, 3 Apr 1995 10:03:07 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:581] problem in 6.7a
In-Reply-To: <199504030837.BAA04891@mail.netcom.com>
Message-Id: <Pine.SUN.3.91.950403100158.25935E-100000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 3 Apr 1995, Cap Pennell wrote:

> I can't seem to mark large areas on the map in 6.7a. I used to be able to
> draw a large colored circle after hitting: home (the center of the circle)
> and then moving the cursor to the edge of the circle I wanted. I would then
> hit: I,A,<CR>,<CR>,test1,0,A,C,Y,10,<CR>,<CR>,Y

APR REPLY: Actually that got lost several versions back. Is fixed in 67b. But wait till FRIDAY to get 67b, cuz it will be 68 by then.. hi hi

From gwyn@paccomm.com Mon Apr 03 09:39:23 1995
Received: from paccomm.com ([163.125.30.1]) by dingus.n5lyt.datarace.com
(8.6.10/8.6.9) with SMTP id JAA31343 for <aprssig@tapr.org>; Mon, 3 Apr 1995
09:39:06 -0500
X-BBS-Msg-Type: P
Date: Mon, 03 Apr 95 07:13:50 UTC
Message-Id: <2201@paccomm.com>
From: gwyn@paccomm.com (Gwyn Reedy, W1BEL)
To: aprssig@tapr.org
Subject: Re: [APRSSIG:571] Re: Help with HSP cable
In-Reply-To: your message of Sun, 2 Apr 1995 08:54:07 -0500.
<2195@paccomm.com>

Bob,

If I understand WA2TQI's problem, I think it is something we saw in our TNCs some time ago. What we found (and fixed) was something generic to TAPR TNC code which kept the async serial port from being able to copy all of the GPS output, which is quite voluminous as he observes.

The TNC normally gives interrupt priority to the RF port (so it won't miss frames like the GLB 'software HDLC' TNC used to do) based on the idea that a person is inputting characters from a keyboard. When faced with a continuous rush of input on the async port and no flow control, there are numerous overruns and corrupted data.

One tip for the MFJ would be to upgrade to 10 MHz CPU clock speed so that there is more processing resource...

- - - - -
Gwyn Reedy, W1BEL gwyn@paccomm.com W1BEL@amsat.org

+(813) 874-2980 Fax:+(813) 872-8696 BBS: +(813) 874-3078 (V.34)

PacComm Packet Radio Systems, Inc, 4413 N. Hesperides St, Tampa, FL 33614-7618
From girard@panix.com Mon Apr 03 09:55:52 1995
Received: from panix.com (panix.com [198.7.0.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id JAA31517 for <aprssig@tapr.org>; Mon, 3 Apr 1995 09:55:45 -0500
Received: (from girard@localhost) by panix.com (8.6.12/8.6.10+PanixU1.0) id KAA11110; Mon, 3 Apr 1995 10:52:10 -0400
Date: Mon, 3 Apr 1995 10:52:09 -0400 (EDT)
From: Jess Girard <girard@panix.com>
To: APRS Sig <aprssig@tapr.org>
Subject: M-P-R Sometimes won't work
Message-ID: <Pine.SUN.3.91.950403104530.8975A-1000000@panix.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All:

If I want to get range and bearing on small-scale maps I've no problem, say up to about 100 miles. But when I was talking to a ham in Nova Scotia a few days ago I wanted to know range and bearing the software (v.6.6 at the time) wouldn't do it. I've checked long-range bearings several times and the program wouldn't do it.

Is this a bug? Cockpit error? Another incidence of RTDM (Read the Damn Manual) ?

Jess Girard
ND1L
nd1l@n1cit - tcpip POP server
nd1l@kc2fd.ny - AX25

From mmunster@qualcomm.com Mon Apr 03 12:27:54 1995
Received: from happy.qualcomm.com (happy.qualcomm.com [129.46.50.16]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id MAA32410 for <aprssig@tapr.org>; Mon, 3 Apr 1995 12:27:45 -0500
Received: from (sddc-annex.qualcomm.com [129.46.54.5]) by happy.qualcomm.com (8.6.10/QC-BSD-2.5) with SMTP id KAA19773 for <aprssig@tapr.org>; Mon, 3 Apr 1995 10:27:38 -0700
Date: Mon, 3 Apr 1995 10:27:38 -0700
Message-Id: <199504031727.KAA19773@happy.qualcomm.com>
X-Sender: mmunster@happy.qualcomm.com
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: mmunster@qualcomm.com (Marvin Munster)
Subject: APRS frequency in SOCA
X-Mailer: <PC Eudora Version 2.0.1>

Can anyone out there give me the frequencies or bandplan for California, or more directly, Southern CA.

Thanks.
Marvin WB6PKK
mmunster@qualcomm.com

From mead@skat.usc.edu Mon Apr 03 12:44:15 1995
Received: from skat.usc.edu (skat.usc.edu [128.125.253.131]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id MAA32556 for <aprssig@tapr.org>; Mon, 3 Apr 1995 12:44:07 -0500
Received: from hamal.usc.edu (mead@hamal.usc.edu [128.125.18.25]) by skat.usc.edu (8.6.10/8.6.4) with ESMTP id KAA20579 for <aprssig@tapr.org>; Mon, 3 Apr 1995 10:43:55 -0700
Received: (mead@localhost) by hamal.usc.edu (8.6.10/8.6.7+ucs) id KAA27936; Mon, 3 Apr 1995 10:43:48 -0700
Date: Mon, 3 Apr 95 10:43:47 PDT
From: Dick Mead <mead@skat.usc.edu>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:590] APRS frequency in SOCA
In-Reply-To: Your message of Mon, 3 Apr 1995 12:36:50 -0500
Message-ID: <CMM.0.90.2.796931027.mead@hamal.usc.edu>

> Can anyone out there give me the frequencies or bandplan for California, or
> more directly, Southern CA.
>
> Thanks.
> Marvin WB6PKK
> mmunster@qualcomm.com
>
>

Marvin,

I don't know of any "plan" in SoCal for APRS, other than by default we have been using the VHF packet repeater on 146.745 (-600) since it sees little use otherwise. There are only 3 or 4 of us there, and that varies.

73,
Dick WB6NGC

From laborde@kilroy.jpl.nasa.gov Mon Apr 03 13:41:53 1995
Received: from kilroy.jpl.nasa.gov (kilroy.jpl.nasa.gov [128.149.63.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id NAA00131 for <aprssig@tapr.org>; Mon, 3 Apr 1995 13:41:47 -0500
Received: from [128.149.100.84] (kd6msm.jpl.nasa.gov [128.149.100.84]) by kilroy.jpl.nasa.gov (8.6.10/8.6.6) with SMTP id LAA21407 for <aprssig@tapr.org>; Mon, 3 Apr 1995 11:41:25 -0700
Date: Mon, 3 Apr 1995 11:41:25 -0700
Message-Id: <199504031841.LAA21407@kilroy.jpl.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: laborde@kilroy.jpl.nasa.gov (Gregory R. LaBorde)
Subject: Re: [APRSSIG:590] APRS frequency in SOCA

At 12:37 PM 4-3-95 -0500, Marvin Munster wrote:
>Can anyone out there give me the frequencies or bandplan for California, or
>more directly, Southern CA.

Marvin,

Share whatever you find with me. NW6H says that the "other packet repeater" (not WB6YMH on 145.36) is being used for APRS. The Orange Book says that is 146.745(-). I haven't got APRS on the air yet, although I have run it.

-Greg

--
Gregory R. LaBorde - KD6MSM | Internet: laborde@kilroy.jpl.nasa.gov
Jet Propulsion Laboratory | AMPRNet : kd6msm@jpl-gw.w6vio.ampr.org
Systems Engineering - Galileo OET | Packet : KD6MSM@W6VIO.#SOCA.CA.USA.NA
M/S 264-805 4800 Oak Grove Drive | Phone : (818) 393-1107
Pasadena, CA 91109 |

From largriff@onramp.net Mon Apr 03 13:48:15 1995
Received: from ns.onramp.net (ns.onramp.net [199.1.11.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id NAA00147 for <aprssig@tapr.org>; Mon, 3 Apr 1995 13:48:12 -0500
Received: from 199.1.172.129 (lub01.onramp.net [199.1.172.129]) by ns.onramp.net (8.6.5/8.6.5) with SMTP id NAA04407 for <aprssig@tapr.org>; Mon, 3 Apr 1995 13:48:08 -0500
Date: Mon, 3 Apr 1995 13:48:08 -0500
Message-Id: <199504031848.NAA04407@ns.onramp.net>
From: largriff@onramp.net (Larry Griffin, AB5GE)

Subject: KPC-3 V6.0 with GPS features
To: aprssig@tapr.org
X-Mailer: AIR Mail 3.X (SPRY, Inc.)

I've had the new EPROM from Kantronics for about a month now. It works great!
I particularly like being able to remotely set both TNC parameters and GPS parameters. It also allows people to connect to the mailbox and get an instantaneous position report or see a historical list of previous positions.
All in all, a very nice energy efficient (15mA) package!

Larry AB5GE !3337.21N/10149.44W-

From bruninga@greatlakes.nadn.navy.mil Mon Apr 03 14:13:22 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id OAA00333 for
<aprssig@tapr.org>; Mon, 3 Apr 1995 14:13:13 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA02174; Mon, 3 Apr 95 15:12:22 EDT
Date: Mon, 3 Apr 1995 15:12:22 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:589] M-P-R Sometimes won't work
In-Reply-To: <Pine.SUN.3.91.950403104530.8975A-100000@panix.com>
Message-Id: <Pine.SUN.3.91.950403151015.2113A-100000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 3 Apr 1995, Jess Girard wrote:

> If I want to get range and bearing on small-scale maps I've no problem,
> say up to about 100 miles. But when I was talking to a ham in Nova Scotia
> a few days ago I wanted to know range and bearing the software (v.6.6 at
> the time) wouldn't do it. I've checked long-range bearings several times
> and the program wouldn't do it.
>
> Is this a bug? Cockpit error? Another incidence of RTDM (Read the Damn
> Manual) ?

APR REPLY: Its a case of RTDM. Since I do NOT do spherical earth
AZIMUTHS, i decided to NOT display bearings above 128miles... FOr shore
ranges, by 2 dimensional algortihm is pretty close. But way off when the
earth starts getting ROUND...

From bruninga@greatlakes.nadn.navy.mil Mon Apr 03 14:16:26 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id OAA00351 for
<aprssig@tapr.org>; Mon, 3 Apr 1995 14:16:18 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA02214; Mon, 3 Apr 95 15:15:33 EDT
Date: Mon, 3 Apr 1995 15:15:33 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org

Subject: Re: [APRSSIG:590] APRS frequency in SOCA
In-Reply-To: <199504031727.KAA19773@happy.qualcomm.com>
Message-Id: <Pine.SUN.3.91.950403151304.2113B-1000000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 3 Apr 1995, Marvin Munster wrote:

> Can anyone out there give me the frequencies or bandplan for California, or
> more directly, Southern CA.

APR REPLY: Thats a big problem. Since there is NO standard freq in LA, then the users cant find each other, and no one knows the others exist. There are a number registered, but all claim that they cant find anyone else... Good luck. If 145.79 is already in use out there, and you cannot negotiate a shared arrangement, then good luck. Once you get a freq, post it here, so we all know the answer...

From bruninga@greatlakes.nadn.navy.mil Mon Apr 03 14:19:47 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id OAA00383 for
<aprssig@tapr.org>; Mon, 3 Apr 1995 14:19:39 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA02245; Mon, 3 Apr 95 15:18:58 EDT
Date: Mon, 3 Apr 1995 15:18:57 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: BETA test of 6.8
Message-Id: <Pine.SUN.3.91.950403151648.2113C-1000000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I am just now posting beta68.zip which is a beta test of the fixes that I am putting in APRS to solve the HSP problems with the GARMIN and other verbose NMEA devices.

If you are running HSP, get it and lemme know how it works.

If you do NOT have HSP, do not get it yet... Maybe some more things added later...

From bruninga@greatlakes.nadn.navy.mil Mon Apr 03 14:33:23 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id OAA00584 for
<aprssig@tapr.org>; Mon, 3 Apr 1995 14:33:18 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA02785; Mon, 3 Apr 95 15:32:32 EDT
Date: Mon, 3 Apr 1995 15:32:31 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: BETA test of HSP fix
Message-Id: <Pine.SUN.3.91.950403153040.2761A-1000000@greatlakes.nadn.navy.mil>

Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I just posted BETA68.zip which has BETA68.exe in it. If you have HSP mode, then please try it out. I actually had to name it BETA68E.zip in order to get it posted. but it is the same thing.

ALSO, until the SYSOP moves it over the APRS directory, you may find it in the UPLOADS directory.....

From dbbrumm@mtu.edu Mon Apr 03 14:44:21 1995
Received: from mtu.edu (mtu.edu [141.219.70.1]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id OAA00758 for <aprssig@tapr.org>; Mon, 3 Apr 1995 14:44:13 -0500
Received: from eefac-pc5 (eefac-pc5.ee.mtu.edu [141.219.23.55]) by mtu.edu (8.6.10/8.6.10) with SMTP id PAA01557 for <aprssig@tapr.org>; Mon, 3 Apr 1995 15:44:04 -0400
Message-Id: <199504031944.PAA01557@mtu.edu>
X-Authentication-Warning: mtu.edu: Host eefac-pc5.ee.mtu.edu claimed to be eefac-pc5
X-Sender: dbbrumm@eefacpcsrv.ee.mtu.edu
X-Mailer: Windows Eudora Version 2.0.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 03 Apr 1995 15:44:24 -0400
To: aprssig@tapr.org
From: dbbrumm@mtu.edu (Doug Brumm)
Subject: Re: [APRSSIG:596] BETA test of 6.8

Bob Bruninga wrote:

>I am just now posting beta68.zip which is a beta test of the fixes that I
>am putting in APRS to solve the HSP problems with the GARMIN and other
>verbose NMEA devices.

I am new to this group, I have a Garmin 45, and I do not have APRS running yet (no TNC). What is HSP? I have watched the references to it with great interest, but haven't been able to decode what the three letters stand for. Thanks.

Doug Brumm N800N Calumet, MI

From dhenders@InterServ.Com Mon Apr 03 14:53:47 1995
Received: from InterServ.Com (troii.interserv.net [165.121.1.68]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id OAA00795 for <aprssig@tapr.org>; Mon, 3 Apr 1995 14:53:34 -0500
From: dhenders@InterServ.Com
Received: from 204.120.34.110 ([204.120.34.110]) by InterServ.Com (4.1/SMI-4.1) id AA24232; Mon, 3 Apr 95 12:52:12 PDT
Date: Mon, 3 Apr 95 12:52:11 PDT
Message-Id: <9504031952.AA24232@ InterServ.Com>
Subject: Re: [APRSSIG:583] Re: VHF Frequency in Canada
To: aprssig@tapr.org

X-Mailer: AIR Mail 3.X (SPRY, Inc.)

<---- Begin Included Message ---->
oopss it is 144.390 MHz,

Which satellite does that affect? I thought it most of
the satellite
downlinks were in the upper 145 Mhz (ie: A0-13 beacon is
at 145.812,
and RS-10 is at uplinked at 145.910-145.950)

Mike Walker
mwalker@interlog.com
<---- End Included Message ---->

The ARRL published bandplan says that is the "new OSCAR
subband" what ever that means. I'm not into satellites.

73, Dave, N3EOY

From ksproul@hardees.rutgers.edu Mon Apr 03 14:58:19 1995
Received: from hardees.rutgers.edu (hardees.rutgers.edu [128.6.18.2]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id OAA00876 for
<aprssid@tapr.org>; Mon, 3 Apr 1995 14:58:02 -0500
Received: (from ksproul@localhost) by hardees.rutgers.edu
(8.6.10+bestmx+oldruq+newsunq+grosshack/8.6.10) id PAA03711 for aprssid@tapr.org;
Mon, 3 Apr 1995 15:57:43 -0400
Sender: Keith Sproul <ksproul@hardees.rutgers.edu>
Date: Mon, 3 Apr 95 15:57:43 EDT
From: Keith Sproul <ksproul@hardees.rutgers.edu>
Reply-To: Keith Sproul <ksproul@hardees.rutgers.edu>
To: aprssid@tapr.org
Subject: Re: [APRSSIG:594] Re: M-P-R Sometimes won't work
In-Reply-To: Your message of Mon, 3 Apr 1995 14:21:54 -0500
Message-ID: <CMM-RU.1.4.796939063.ksproul@hardees.rutgers.edu>

Jess Girard wrote:

>> If I want to get range and bearing on small-scale maps I've no problem,
>> say up to about 100 miles. But when I was talking to a ham in Nova Scotia
>> a few days ago I wanted to know range and bearing the software (v.6.6 at
>> the time) wouldn't do it. I've checked long-range bearings several times
>> and the program wouldn't do it.

Bob replied..

>APR REPLY: Its a case of RTDM. Since I do NOT do spherical earth
>AZIMUTHS, i decided to NOT display bearings above 128miles... For short
>ranges, by 2 dimensional algortihm is pretty close. But way off when the
>earth starts getting ROUND...

I agree with Bob.. If you don't do the spherical trig, the errors get SO large that it isn't worth doing.. Therefore, I put the full spherical trig for this into the Mac version.. You can find distances between any two points in the world.. Even spherical trig has some errors in it due to the fact that the earth is elliptical and not spherical.. I even have some of this in the Mac version, but that is more in the conversion of other types of map data..

These distacnce calculations have proven to be so useful, there is a DIALOG box that you can enter any two items, stations, airports, zipcodes, gridsquares, call signs (if you have the Buckmaster CD) or any combination of these, and it will tell you the distance and bearing between them..

Keith Sproul

Keith Sproul
Student Housing Network Coordinator
Rutgers University Computing Services

WU2Z
ksproul@noc.rutgers.edu
908 445-3695 Work
908 821-4828 Home

From laborde@kilroy.jpl.nasa.gov Mon Apr 03 15:18:54 1995
Received: from kilroy.jpl.nasa.gov (kilroy.jpl.nasa.gov [128.149.63.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id PAA01099 for <aprssig@tapr.org>; Mon, 3 Apr 1995 15:18:40 -0500
Received: from [128.149.100.84] (kd6msm.jpl.nasa.gov [128.149.100.84]) by kilroy.jpl.nasa.gov (8.6.10/8.6.6) with SMTP id NAA23823 for <aprssig@tapr.org>; Mon, 3 Apr 1995 13:18:25 -0700
Date: Mon, 3 Apr 1995 13:18:25 -0700
Message-Id: <199504032018.NAA23823@kilroy.jpl.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: laborde@kilroy.jpl.nasa.gov (Gregory R. LaBorde)
Subject: Re: [APRSSIG:595] Re: APRS frequency in SOCA

According to the "Repeater Location Guide," a local SoCal publication, the 145.700-145.800 range is FM Simplex, and a note says "this is where most of the simplex autopatches are found".

-Greg

--

Gregory R. LaBorde - KD6MSM	Internet: laborde@kilroy.jpl.nasa.gov
Jet Propulsion Laboratory	AMPRNet : kd6msm@jpl-gw.w6vio.ampr.org
Systems Engineering - Galileo OET	Packet : KD6MSM@W6VIO.#SOCA.CA.USA.NA
M/S 264-805 4800 Oak Grove Drive	Phone : (818) 393-1107
Pasadena, CA 91109	

From gerry@cs.tamu.edu Mon Apr 03 19:20:42 1995
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id TAA02273 for <aprssig@tapr.org>; Mon, 3 Apr 1995 19:20:39 -0500

Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id TAA06464 for <aprssig@tapr.org>; Mon, 3 Apr 1995 19:21:03 -0500

From: Gerald J Creager <gerry@cs.tamu.edu>

Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id TAA06530 for aprssig@tapr.org; Mon, 3 Apr 1995 19:21:01 -0500

Message-Id: <199504040021.TAA06530@solar.cs.tamu.edu>

Subject: Re: RS-232 standards...

To: aprssig@tapr.org

Date: Mon, 3 Apr 1995 19:21:00 -0500 (CDT)

In-Reply-To: <Pine.SUN.3.91.950401114453.21279C-100000@greatlakes.nadn.navy.mil> from "Robert Bruninga" at Apr 1, 95 11:02:42 am

X-Mailer: ELM [version 2.4 PL23]

Content-Type: text

Content-Length: 1766

Robert Bruninga sez:

>

> On Fri, 31 Mar 1995, Jack Anderson wrote:

>

> > hardware handshaking enabled. "Normal" hardware handshaking uses RTS/CTS, at
> > least that's been my personal experience in the dialup modem world. DTR is
> > usually used (in dialup modems) to tell the modem to go on-hook. So, do you

This is essentially correct, in common usage, which has IN REALITY defined the standard.

> APR REPLY: I agree that many people use RTS, but after my 20 years of
> messing with RS-232, I was surprised when I re-read the SPEC and realized
> that the definition of RTS (from the terminal to the modem that says I am
> ready to SEND data, actually has NOTHING to do with whether the terminal
> is ready to RECEIVE data. Only the DTR line can say that according to
> the SPEC. SO there we have the problem. The SPEC says one thing, and
> a lot of folks have by default done something else (to save one wire)

IEEE RS-232C was adopted over 25 years ago. It has evolved in reality but not very far in documentation. The problem was, the standard, like so many standards, has no force. What you need to do is see what common usage is. THEN one can comply with it, or attempt to redefine how everyone else does things.

Since most of the TNC world I work with uses RTS/CTS, I consider that the standard... And since it is similar to the telephone modem world, it makes some sense, regardless of the old standard, to maintain consistency.

73, gerry

--

Gerry Creager N5JXS

* SAREX Co-Investigator

gerry@cs.tamu.edu

* A little radio that lets kids talk

gcreager@gothamcity.jsc.nasa.gov

* to astronauts, and smile

From gerry@cs.tamu.edu Mon Apr 03 19:54:52 1995

Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by

dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id TAA02518 for
<aprssig@tapr.org>; Mon, 3 Apr 1995 19:54:49 -0500
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by
cs.tamu.edu (8.6.10/8.6.4) with ESMTP id TAA07097 for <aprssig@tapr.org>; Mon, 3
Apr 1995 19:55:13 -0500
From: Gerald J Creager <gergy@cs.tamu.edu>
Received: (gergy@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id TAA07061 for
aprssig@tapr.org; Mon, 3 Apr 1995 19:55:10 -0500
Message-Id: <199504040055.TAA07061@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:586] Re: VHF Frequency in Canada
To: aprssig@tapr.org
Date: Mon, 3 Apr 1995 19:55:09 -0500 (CDT)
In-Reply-To: <Pine.SUN.3.91.950403094353.25935D-100000@greatlakes.nadn.navy.mil>
from "Robert Bruninga" at Apr 3, 95 09:10:51 am
X-Mailer: ELM [version 2.4 PL23]
Content-Type: text
Content-Length: 3606

Robert Bruninga sez:

>
>
> On Sun, 2 Apr 1995, Mike Walker wrote:
> >
> > About 2 months ago those in charge of Bandplanning have authorized the
> > 145.39 MHz frequency for continuous APRS coverage throughout canada
>
> APR COMMENT: In trying to find a universal tracking frequency, it is
> recognized that there will be conflicts with 145.79 in
> some areas. But the advantages of a SINGLE continenent-wide GPS tracking
> network will be significant. We are only just beginnning to see the
> tremendous potential of this capability.
>
> My recommendation is that 145.79 be used WHEREVER POSSIBLE, and that
> exceptions be made on a case-by-case basis. Why put all of CANADA on a
> different frequency, when only 2 cities have the problem?

Bob, wishing won't make it so. No one bothered to talk to the various
frequency coordinators nationwide, and when I appropached the group in Texas,
on an informal basis, I was informed that 145.79 was a pretty bad place in our
bandplan to put YET ANOTHER packet application.

Packet has enjoyed explosive growth. Unfortunately, that growth has been
overall an unguided phenomenon. DX Clusters popping up and demanding that
SAREX find new channels. 1200 and 9600 baud links with significant power in
the 2 meter and UHF satellite bands. And now, APRS saying "We're just going
to use this channel." We need to get some coordination, rather than just grab
a channel.

Please don't tell me that the ARRL bandplan makes it look "OK." The ARRL has
taken very little responsibility for frequency coordination, stepping aside,
rather than stepping up, when the FCC wanted them to be the body to recognize
frequency coordination bodies across the country a couple of years ago. The
bandplan they recommended was nothing more than a recommendation, and came

out well after Southern California and Texas had published their plans, with different "recommendations." it completely ignored common practice in 2-way communications in looking at coordination, and drew precious little from published standards (Ca. and Tx) at the time.

I agree that we need some coordination of a channel but I seriously doubt that 2 meters is the place for it. I may well be that we have to negotiate some of the weak-signal or experimental space on UHF or 220 MHz. Matter of fact, if there had been more 220 MHz activity, we might still have it. 2 meter spectrum is scarce and getting more rare!

> In just a few months you will begin to see crackerjack size trackers and
> all will be XTAL controlled. Remember we are talking about MOBILES, and
> mobiles do travel. AND the further they travel the MORE IMPORTANT THE
> TRACKING (usually). Do we want everyone to disappear from GPS tracking
> systems when they cross the CANADIAN border? Going either way, it's the
> same...
>
> Yes, many people are using synthesized radios now, but as the GPS tracker
> becomes an imbedded device used as an everyday appliance, the use of a \$350
> radio where a \$99 one will do, will fade away.
>
> I am very pleased to see the effort and results of being able to declare a
> national CANADIAN GPS tracking frequency, but I would ask that the long
> term effects of such a commitment be seriously considered...

I HAVE considered the effect of a "nationwide" or "continent-wide" frequency, and realistically, it's not likely to happen. A group of frequencies, linked by HF or dedicated UHF links between areas, however, is practical. So the radio is crystal controlled. Sorry guy. That's not necessarily consistent with reality in today's spectrum.

73, Gerry

N5JXS

From mwalker@interlog.com Mon Apr 03 21:16:57 1995

Received: from gold.interlog.com (gold.interlog.com [198.53.145.2]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id VAA02986 for
<aprssig@tapr.org>; Mon, 3 Apr 1995 21:16:52 -0500

Received: from (mwalker.interlog.com [199.212.152.131]) by gold.interlog.com
(8.6.9/8.6.9) with SMTP id WAA19781 for aprssig@tapr.org; Mon, 3 Apr 1995 22:16:41
-0400

Message-Id: <199504040216.WAA19781@gold.interlog.com>

Date: Mon, 03 Apr 95 21:39:29 EDT

From: mwalker@gold.interlog.com (Mike Walker)

Reply-To: mwalker@interlog.com (Mike Walker)

To: aprssig@tapr.org

X-Mailer: PMMail (v1.0 UNREGISTERED SHAREWARE)

Subject: Re: [APRSSIG:586] Re: VHF Frequency in Canada

On Mon, 3 Apr 1995 09:09:27 -0500 you wrote:

>

>On Sun, 2 Apr 1995, Mike Walker wrote:

>>
>> About 2 months ago those in charge of Bandplanning have authorized the
>> 145.39 MHz frequency for continuous APRS coverage throughout Canada
>
>APR COMMENT: In trying to find a universal tracking frequency, it is
>recognized that there will be conflicts with 145.79 in
>some areas. But the advantages of a SINGLE continent-wide GPS tracking
>network will be significant. We are only just beginning to see the
>tremendous potential of this capability.
>
>My recommendation is that 145.79 be used WHEREVER POSSIBLE, and that
>exceptions be made on a case-by-case basis. Why put all of CANADA on a
>different frequency, when only 2 cities have the problem?
>
>In just a few months you will begin to see crackerjack size trackers and
>all will be XTAL controlled. Remember we are talking about MOBILES, and
>mobiles do travel. AND the further they travel the MORE IMPORTANT THE
>TRACKING (usually). Do we want everyone to disappear from GPS tracking
>systems when they cross the CANADIAN border? Going either way, it's the
>same...
>
>Yes, many people are using synthesized radios now, but as the GPS tracker
>becomes an imbedded device used as an everyday appliance, the use of a \$350
>radio where a \$99 one will do, will fade away.
>
>I am very pleased to see the effort and results of being able to declare a
>national CANADIAN GPS tracking frequency, but I would ask that the long
>term effects of such a commitment be seriously considered...
>
Bob,
I couldn't agree more on a single frequency. I will pass on your
request to VE3DSS, Dana and ask that he consider the above. I'm not
sure why we picked that frequency, but I will see if the above can be
used as it is marked as digital usage.

I'll keep you informed...

cheers...

Mike Walker
127 High St. W.
Mississauga, ON
L5H 1K4

mwalker@interlog.com
rf: va3mw@va3bbs

From jkeck@smartdocs.com Mon Apr 03 23:53:03 1995
Received: from smartdocs.com (smartdocs.com [204.118.4.2]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id XAA03798 for
<aprssig@tapr.org>; Mon, 3 Apr 1995 23:52:58 -0500
Received: from by smartdocs.com (4.1/SMI-4.1)
id AB26499; Mon, 3 Apr 95 21:53:40 PDT
Message-Id: <9504040453.AB26499@smartdocs.com>
X-Sender: jkeck@smartdocs.com
X-Mailer: Windows Eudora Version 1.4.3
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"
Date: Mon, 03 Apr 1995 21:53:04 -0700
To: aprssig@tapr.org
From: jkeck@smartdocs.com (Jim Keck)
Subject: Re: [APRSSIG:595] Re: APRS frequency in SOCA

>On Mon, 3 Apr 1995, Marvin Munster wrote:

>

>> Can anyone out there give me the frequencies or bandplan for California, or
>> more directly, Southern CA.

>

>APR REPLY: Thats a big problem. Since there is NO standard freq in LA,
>then the users cant find each other, and no one knows the others exist.
>There are a number registered, but all claim that they cant find anyone
>else... Good luck. If 145.79 is already in use out there, and you
>cannot negotiate a shared arrangement, then good luck. Once you get a
>freq, post it here, so we all know the answer...

There are a few of us that are working on obtaining some additional frequencies for packetters in SOCA. At this time the SCDCC, Southern California Digital Communications Council, has undertaken an indepth review of digital frequencies. At their last meeting on 25 March a proposal was submitted and has been forwarded to the Coordinating Bodies for their review and hopefully approval. One of the frequencies involved is 145.790. All interested individuals should make their desires known and if possible attend the next SCDCC Board Meeting on April 29 at 1130 AM, immediately following the TRW Swapmeet.

Please contact me direct for any additional information

jkeck@smartdocs.com

SCDCC Director for SCARC
Santa Clarita Amateur Radio Club

From redsox@VNET.IBM.COM Tue Apr 04 06:45:06 1995
Received: from VNET.IBM.COM (vnet.ibm.com [199.171.26.4]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id GAA05297 for
<aprssig@tapr.org>; Tue, 4 Apr 1995 06:44:58 -0500
Message-Id: <199504041144.GAA05297@dingus.n5lyt.datarace.com>
Received: from CARVM8 by VNET.IBM.COM (IBM VM SMTP V2R3) with BSMTMP id 2219;
Tue, 04 Apr 95 07:44:49 EDT
Date: Tue, 4 Apr 95 07:42:51 EDT
From: "Jon Maguire redsox@vnet.ibm.com" <redsox@VNET.IBM.COM>
X-Addr: 8-438-3038

Advantis Internet Customer Support
Dept VA4 Pavilion Bldg
3405 W. Dr. M. L. King Blvd.
Tampa, FL 33607

To: aprssig@tapr.org
Subject: FTP Sites

Sorry for the newbie question, but: what FTP site(s) have the latest DOS APRS? I've found APRS62A, but I know there are later versions. Thanks.


```

-----
Jon Maguire N1CQE/4 | ibm-vm: maguire@carvm8 usib2tfc@ibmmail
Advantis Internet | Packet: N1CQE@WA1GUD.FL.USA.NOAM
Customer Support | IBM Global Network: redsox@ibm.net
Dept NB4 / Bldg PAV | voice: t/1:438-3038 external:(813)-878-3038
3405 W. M.L.King Blvd. | fax : t/1:438-3922 external:(813)-878-3922
Tampa, FL 33607 | AMSAT #21847 TAPR #2916 TPALAN BARS
| Internet: redsox@vnet.ibm.com
| IP 44.98.24.61 N1CQE.ampr.org
From bruninga@greatlakes.nadn.navy.mil Tue Apr 04 08:51:32 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id IAA05833 for
<aprssig@tapr.org>; Tue, 4 Apr 1995 08:50:55 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA03342; Tue, 4 Apr 95 09:50:06 EDT
Date: Tue, 4 Apr 1995 09:50:05 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: LOW POWER National Tracking Frequency
Message-Id: <Pine.SUN.3.91.950404092134.2774C-1000000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

```

To clarify the air on my proposal for a NATIONWIDE tracking frequency...

Please do not think of this as a power play. I am NOT encouraging the dismemberment of anyone's frequency plans, nor the displacement of any existing users on the two meter band. hi hi

I'm only suggesting a single frequency as a target, so that areas where it is available, can choose to use the same frequency as other areas. IF it's available, grab it. If not, find a different freq and let us know.

My only comment about the Canadians was asking why put the whole country on a different freq just because of conflicts in two cities.. But then, I am not a Canadian traveler, and maybe the Canadians all travel East and West more often than they travel South. hi hi Of course, I am probably taking the Yankee perspective of Canada as a thin sliver of USA wannabees all crowded along our northern fence... (JOKE!) But if travel across the line is not so important, then a NATIONAL CANADIAN frequency is also a GOOD IDEA...

In fact, TWO national GPS frequencies is better than 10 or 20 or 30. So maybe those US cities with conflicts could investigate the 144.39 freq too.. ALTHOUGH I personally do NOT like to see packet spread into the low end of 2 meters... And areas considering same, should definitely check with their FRQ COORD bodies (and SAREX ETC) before jumping into the flame.

The way we ended up on 145.79 was that it was designated as an experimental frequency. GPS tracking seemed to fit that description just perfectly. Then, as it evolved into a permanent system, we realized

that the onus was on us to be good neighbors to the SATELLITE band starting at 145.80, and that was why the frequency was designated experimental in the first place.

You will see throughout my documentation and especially in the digipeater section, the encouragement to use LOW power transmitters at digipeaters. I see NO reason why any WIDE area digipeater should use anything more than 10 watts. The function of a WIDE digipeater is to HEAR mobiles.

Almost everyone that is LISTENING to a WIDE is a home station and has a good enough antenna to HEAR the WIDE.

SO I ENCOURAGE ALL GPS BASE (HOME or DIGIS) to KEEP THEIR POWER IN THE 10 watt class where possible. This will keep us as good neighbors to the ever GROWING satellite band. Consider the nice little MFJ 5 watt single frequency 2m packet radio for around \$100!

P.S. Remember the "target" frequency of 445.925 on UHF too.. See UHFfreq.txt (although I still have no reports of anyone there yet..)

From gerry@cs.tamu.edu Tue Apr 04 11:55:53 1995

Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id LAA08633 for <aprssig@tapr.org>; Tue, 4 Apr 1995 11:55:50 -0500

Received: from sparc22.cs.tamu.edu (2961@sparc22.cs.tamu.edu [128.194.132.122]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id LAA24197 for <aprssig@tapr.org>; Tue, 4 Apr 1995 11:56:13 -0500

From: Gerald J Creager <gerry@cs.tamu.edu>

Received: (gerry@localhost) by sparc22.cs.tamu.edu (8.6.10/8.6.4) id LAA14391 for aprssig@tapr.org; Tue, 4 Apr 1995 11:56:09 -0500

Message-Id: <199504041656.LAA14391@sparc22.cs.tamu.edu>

Subject: Re: [APRSSIG:607] LOW POWER National Tracking Frequency

To: aprssig@tapr.org

Date: Tue, 4 Apr 1995 11:56:07 -0500 (CDT)

In-Reply-To: <Pine.SUN.3.91.950404092134.2774C-100000@greatlakes.nadn.navy.mil> from "Robert Bruninga" at Apr 4, 95 09:10:39 am

X-Mailer: ELM [version 2.4 PL23]

Content-Type: text

Content-Length: 2688

Robert Bruninga sez:

>

>

> To clarify the air on my proposal for a NATIONWIDE tracking frequency...

>

> Please do not think of this as a power play. I am NOT encouraging the
> dismemberment of anyone's frequency plans, nor the displacement of any
> existing users on the two meter band. hi hi

>

> I'm only suggesting a single frequency as a target, so that areas where
> it is available, can choose to use the same frequency as other areas. IF
> it's available, grab it. If not, find a different freq and let us know.

Sounds good to me, and please forgive me if I sounded a little too strident

yesterday. Aside from getting hit pretty hard when I talked to the Texas VHF-FM Society, I got a little sensitive with some other packet issues for SAREX a while back.

> In fact, TWO national GPS frequencies is better than 10 or 20 or 30. So
> maybe those US cities with conflicts could investigate the 144.39 freq
> too.. ALTHOUGH I personally do NOT like to see packet spread into the low
> end of 2 meters... And areas considering same, should definately check
> with their FRQ COORD bodies (and SAREX ETC) before jumping into the flame.

Exactly. We need som place where linking stations can also coordinate the plans, so that there is a mechanism for getting the data around. One possible method is encapsulated ax.25 via the internet, similar to that being used widely now in the NOS code. Gotta think on that one... But let me reiterate the need to work within the confines of local coordinating bodies, and not just claim a frequency without some coordination: There just might be things going on there you aren't familiar with.

> You will see throughout my documentation and especially in the digipeater
> section, the encouragement to use LOW power transmitters at digipeaters.
> I see NO reason why any WIDE area digipeater should use anything more
> than 10 watts. The function of a WIDE digipeater is to HEAR mobiles.

And, further, if you use a good receiver, with a good front end, you'll hear more of the on-channel signals and less of the intermod. That'll help too.

> P.S. Remember the "target" frequency of 445.925 on UHF too.. See UHFfreq.txt
> (although I still have no reports of anyone there yet..)

I personally feel UHF is a better place to go. Unfortunately, 445.925 is the OUTPUT of a repeater (designated "backyard" or low-power/low altitude repeaters) in Texas... So, we're still looking. All in all, 145.79 has been used pretty widely down this way. But I got jumped pretty hard for even asking about "another" packet channel, since the packeteers have not been particularly good spectrum neighbors down here!

73, gerry N5JXS

From bruninga@greatlakes.nadn.navy.mil Tue Apr 04 12:02:38 1995

Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id MAA08677 for

<aprssig@tapr.org>; Tue, 4 Apr 1995 12:02:33 -0500

Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)

id AA05359; Tue, 4 Apr 95 13:01:50 EDT

Date: Tue, 4 Apr 1995 13:01:50 -0400 (EDT)

From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>

To: aprssig@tapr.org

Subject: Re: BETA68 and HSP problems

In-Reply-To: <15021591.0a54@ram.net>

Message-Id: <Pine.SUN.3.91.950404124549.5236B-1000000@greatlakes.nadn.navy.mil>

Mime-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 4 Apr 1995, Jack Anderson wrote:

> HSP performance seems better now, but the most prevalent problem, the "Got
> good NMEA" message, with no P-list or map update, is still happening a lot.
> Last night I watched it toggle at ten second intervals for over three minutes
> before it updated, displaying "Got good NMEA fix" every time.
>
> I see a lot more GGA fixes with the new beta. Now 60% GGA/GLL, vice 40%

> Now, I frequently see it "Toggle for NMEA data" and stay locked in that state
> for almost three or four seconds. The keyboard doesn't respond, etc.

APR COMMENT: Are you sure it is LOCKED? It should only be LOCKED into that HSP mode for 2.2 secs max (even tho the "toggle etc "message remains until the next 5 second cycle overwrites the new TIME

> Another observation - O-C-G sometimes takes a second or so before it fully
> kicks into HSP mode. When this happens, I sometimes see a couple of screen
> flashes with -I/O Glitch-

APR COMMENT: This is normal in OCT mode. During normal HSP switching, however, there is a high probability of switching in the middle of a bit (which triggers the I/O glitch). So APRS 1st CLEARS the comm buffer to make sure it starts fresh, and then waits for NMEA data.

> I'm still seeing GGA and GLL mixed in my
> POS: line. I also notice that I don't get course and speed related plots
> unless I use NMEA 1.5 instead of 2.0.

APR REPLY: Whoaah! You didnt tell me that you had any choice between 1.5 and 2. You said all you had was the I/O selection! You gave me the list of NMEA strings (I assume in 2.0 mode) tell me whats in 1.5 mode? (Im sure it has GLL and VTG and NO RMC)

From KBass@venable.com Tue Apr 04 14:01:51 1995
Received: from access1.digex.net (access1.digex.net [164.109.10.3]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id OAA09352 for <aprssig@tapr.org>; Tue, 4 Apr 1995 14:01:46 -0500
Received: from venable.com by access1.digex.net with SMTP id AA05275 (5.67b8/IDA-1.5 for <aprssig@tapr.org>); Tue, 4 Apr 1995 15:01:41 -0400
Date: Tue, 4 Apr 95 14:51:08 EST
Message-Id: <9504041451.AA14404@VENABLE.COM>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
From: "Kenneth C. Bass, III" <KBass@venable.com>
Reply-To: <KBass@venable.com>
To: aprssig@tapr.org
Subject: APRS - Delorme Rockwell GPS
X-Mailer: <IMail1 v95.02.01>

Bob -

I acquired the shareware copy of APRS at the Vienna Winterfest. I

recently acquired Delorme's GPS Trak n' Go which uses the Rockwell NAV OEM GPS chip to interface with their CD-ROM maps. The Rockwell chip, as you may know, uses a binary data stream, not the NEMA ASCII.

Paul Evans at PacComm suggested you or Keith Spruill might have the data format used by Rockwell. Paul believed Keith had used the Rockwell format for the Mac implementation. Do you have any info on using APRS (or PPRS) with the Rockwell chip? Do you have an email address for Keith? Any help on getting me up to using the Delorme product with APRS without having to buy another GPS unit would be most appreciated.

Thanks in advance,

Ken Bass
K4EVH

=====
Ken Bass
Venable, Baetjer, Howard & Civiletti, LL.P.
1201 New York Ave., N.W.
Suite 1000
Washington, D.C. 20005-3917
(202) 962-4890
=====

From janderson@ram.net Tue Apr 04 14:20:55 1995
Received: from ram.net (ram.net [199.97.216.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id 0AA09576 for <aprssig@tapr.org>; Tue, 4 Apr 1995 14:20:50 -0500
Received: by ram.net (5.65/1.3-eef)
id AA09536; Tue, 4 Apr 95 15:20:51 -0400
From: janderson@ram.net (Jack Anderson)
To: aprssig@tapr.org
Subject: Re: [APRSSIG:609] Re: BETA68 and HSP problems
Date: Tue, 04 Apr 95 15:18:40 GMT
Message-Id: <15021591.0a56@ram.net>
Version: RAMail 2.8n
Location: FAIRFAX/CENTERPOINTE (1048) FAIRFAX, VA

>APR COMMENT: Are you sure it is LOCKED? It should only be LOCKED into
>that HSP mode for 2.2 secs max (even tho the "toggle etc "message remains
>until the next 5 second cycle overwrites the new TIME

It seems locked. There is no response to keyboard commands, but they do seem to be buffered, and are processed when the TOGGLE is finished. Most of the TOGGLES last (what seems to be) less than one second, and are followed by Got good NMEA fix. The long one is also followed by Got good NMEA fix. I usually don't see the new TIME display until after the Got good NMEA is displayed.

>APR REPLY: Whoaah! You didnt tell me that you had any choice between
>1.5 and 2. You said all you had was the I/O selection! You gave me the
>list of NMEA strings (I assume in 2.0 mode) tell me whats in 1.5 mode?
>(Im sure it has GLL and VTG and NO RMC)

BWC, GLL, RMB, RMC, XTE, VTG, WPL - standard
RMM, RMZ, LIB - proprietary

Do you think I should be using NMEA 1.5?

From ksproul@hardees.Rutgers.EDU Tue Apr 04 14:23:38 1995

Received: from old-hercules.rutgers.edu (old-hercules.rutgers.edu [128.6.18.82])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id OAA09624 for
<aprssig@tapr.org>; Tue, 4 Apr 1995 14:23:33 -0500

Received: (from ksproul@localhost) by old-hercules.rutgers.edu
(8.6.10+bestmx+oldruq+newsunq+grosshack/8.6.10) id PAA29861 for aprssig@tapr.org;
Tue, 4 Apr 1995 15:23:29 -0400

Sender: Keith Sproul <ksproul@old-hercules.rutgers.edu>

Date: Tue, 4 Apr 95 15:23:28 EDT

From: Keith Sproul <ksproul@hardees.Rutgers.EDU>

Reply-To: Keith Sproul <ksproul@hardees.Rutgers.EDU>

To: aprssig@tapr.org

Subject: Re: [APRSSIG:610] APRS - Delorme Rockwell GPS

In-Reply-To: Your message of Tue, 4 Apr 1995 14:17:29 -0500

Message-ID: <CMM-RU.1.4.797023408.ksproul@old-hercules.rutgers.edu>

RE: Rockwell GPS format..

Yes, I fully understand the Rockwell binary format.. No, you don't want to
mess with it, especially now since Rockwell also makes NMEA stuff.

The Rockwell is wierd binary, non-standard, and has to be converted. It is
fully implemented in the Mac version, but I don't think that does you any
good.

We can continue any other discussions direct and not on the SIG..

My E-Mail address is below..

Keith

Keith Sproul	WU2Z
Student Housing Network Coordinator	ksproul@noc.rutgers.edu
Rutgers University Computing Services	908 445-3695 Work
	908 821-4828 Home

From muwew2@uxa.ecn.bgu.edu Tue Apr 04 14:29:15 1995

Received: from fsa.ecn.bgu.edu (fsa.ecn.bgu.edu [143.43.33.204]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id OAA09651 for
<aprssig@tapr.org>; Tue, 4 Apr 1995 14:29:10 -0500

Received: from ecom3.ecn.bgu.edu by fsa.ecn.bgu.edu with SMTP id AA27537
(5.67a/IDA-1.5 for <aprssig@tapr.org>); Tue, 4 Apr 1995 14:28:36 -0500

Received: by ecom3.ecn.bgu.edu id AA28516

(5.67a/IDA-1.5 for aprssig@tapr.org); Tue, 4 Apr 1995 14:28:02 -0500
Date: Tue, 4 Apr 1995 14:28:01 -0500 (CDT)
From: William E Woomeer <muwew2@uxa.ecn.bgu.edu>
Subject: Need a little help
To: aprssig@tapr.org
Message-Id: <Pine.3.89.9504041446.A24770-0100000@ecom3.ecn.bgu.edu>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi all,
I have a little problem involving an aea pk-12 tnc and the aprs program.
I got a shareware version (64b) at a hamfest and it seems to work fine.
A friend got me version 67b off of a bbs and I sent off for a registered
version. Long story - short: I can't seem to get the share version of
67b or my new, registered version of 67b to work. There are about 3 of
us in my area using it on 145.79 and when I fire up either 67b, I'm all
alone. I can see their info coming across the bottom of the screen but
they don't pop up on the screen. And, when I send them a one line message,
they get it but my screen doesn't respond with the *ack. They see me, I don't
see them. Then, if I get out of 67b, load 64b and run it, everything works
fine. I've changed the monitor parameter to 4, mto and mfrom to all and
it doesn't help me on 67b. Anyone got any ideas that I might try?

Bob - Do you want me to go by the old homestead one of these days and
take some pictures for you (outside of Macomb)?

**** Bill Woomeer *****
* Internet: muwew2@uxa.ecn.bgu.edu
* Amateur Radio: N2THO @ AG9Y.#WCIL.IL.USA.NA
* Sometimes the shortest path is the longest route

From KBass@venable.com Tue Apr 04 15:07:04 1995
Received: from access4.digex.net (access4.digex.net [164.109.10.7]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id PAA10035 for
<aprssig@tapr.org>; Tue, 4 Apr 1995 15:07:01 -0500
Received: from venable.com by access4.digex.net with SMTP id AA22639
(5.67b8/IDA-1.5 for <aprssig@tapr.org >); Tue, 4 Apr 1995 16:06:56 -0400
Date: Tue, 4 Apr 95 15:54:07 EST
Message-Id: <9504041554.AA15624@VENABLE.COM>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
From: "Kenneth C. Bass, III" <KBass@venable.com>
Reply-To: <KBass@venable.com>
To: ksproul@hardees.Rutgers.EDU
Cc: aprssig@tapr.org
Subject: APRS - Delorme Rockwell GPS
X-Mailer: <IMail1 v95.02.01>

Original-From: "Kenneth C. Bass, III" <KBass@venable.com>
Original-Date: Tue, 4 Apr 95 14:51:08 EST

Bob -

I acquired the shareware copy of APRS at the Vienna Winterfest. I recently acquired Delorme's GPS Trak n' Go which uses the Rockwell NAV OEM GPS chip to interface with their CD-ROM maps. The Rockwell chip, as you may know, uses a binary data stream, not the NEMA ASCII.

Paul Evans at PacComm suggested you or Keith Sproul might have the data format used by Rockwell. Paul believed Keith had used the Rockwell format for the Mac implementation. Do you have any info on using APRS (or PPRS) with the Rockwell chip? Any help on getting me up to using the Delorme product with APRS without having to buy another GPS unit would be most appreciated.

Thanks in advance,

Ken Bass
K4EVH

=====
Ken Bass
Venable, Baetjer, Howard & Civiletti, LL.P.
1201 New York Ave., N.W.
Suite 1000
Washington, D.C. 20005-3917
(202) 962-4890
=====

From bruninga@greatlakes.nadn.navy.mil Tue Apr 04 15:16:40 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id PAA10086 for
<aprssig@tapr.org>; Tue, 4 Apr 1995 15:16:33 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA09877; Tue, 4 Apr 95 16:15:49 EDT
Date: Tue, 4 Apr 1995 16:15:49 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:610] APRS - Delorme Rockwell GPS
In-Reply-To: <9504041451.AA14404@VENABLE.COM>
Message-Id: <Pine.SUN.3.91.950404161402.5236D-100000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 4 Apr 1995, Kenneth C. Bass, III wrote:

> I recently acquired Delorme's GPS Trak n' Go which uses the Rockwell NAV
> OEM GPS chip to interface with their CD-ROM maps. The Rockwell chip, as
> you may know, uses a binary data stream, not the NEMA ASCII.
>
> Do you have any info on using APRS
> (or PPRS) with the Rockwell chip? Do you have an email address for
> Keith? Any help on getting me up to using the Delorme product with APRS
> without having to buy another GPS unit would be most appreciated.
>

APR REPLY: NO, NO, SORRY...

With a standard like NMEA, why would Delorme use something else??? Any
ideas?

From gustavoc@pinos.com Tue Apr 04 16:10:29 1995
Received: from mail.holonet.net (guardian.holonet.net [198.207.169.11]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id QAA10456 for
<aprssig@tapr.org>; Tue, 4 Apr 1995 16:10:24 -0500
From: gustavoc@pinos.com
Received: from pinos (root@localhost) by mail.holonet.net with UUCP
id NAA12450; Tue, 4 Apr 1995 13:55:29 -0700
Received: by pinos.com (UUPU-1.42)
id D4856qZ Tue Apr 04, 1995 17:39:59 EDT
Message-Id: <9504041739.D4856qZ@pinos.com>
X-Mailer: UUPlus Mail 1.42
To: aprssig@tapr.org
Subject: TNC-2 RELEASE 1.19 + TINY-2 GPS
Organization: LOS PINOS II (ARGENTINA)
Date: Tue, 04 Apr 95 17:39:59 EST

Hello !

I'm try to work the new tnc-2 1.19 release 1.19 with my tiny 2 with gps.

Is that possible ? I load all param like booklet tell but nothing
happend. What is possible wrong ? How cna I test my gps ?

Thanks for your help.

Gustavo, LW2DTZ

gustavoc@pinos.com
From bruninga@greatlakes.nadn.navy.mil Tue Apr 04 16:37:41 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id QAA10576 for
<aprssig@tapr.org>; Tue, 4 Apr 1995 16:37:37 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA11037; Tue, 4 Apr 95 17:36:48 EDT
Date: Tue, 4 Apr 1995 17:36:48 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org

Subject: Re: [APRSSIG:611] Re: BETA68 and HSP problems
In-Reply-To: <15021591.0a56@ram.net>
Message-Id: <Pine.SUN.3.91.950404173404.11022B-1000000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I just posted another BETA68B.zip Notice that this BETA..B supersedes BETA..E.zip. Again, until the SYSOP moves it from the UPLOAD directory to the APRS directory, you will find it there. This is of course on the 410-280-2503 BBS.

This BETA test is trying to get HSP to work well with the GARMIN-45 or other GPS that outputs more than one GGA, GLL, RMC, VTG sentence.

I dont think I improved anything in this BETA..B over the BETA..E, but I added a lot more display in the upper right hand corner so that you can see better each step of the HSP process. Lemme know whats going on!

From rsb@crl.com Tue Apr 04 16:44:22 1995
Received: from mail.crl.com (mail.crl.com [165.113.1.22]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id QAA10650 for <aprssig@tapr.org>; Tue, 4 Apr 1995 16:44:17 -0500
Received: from crl6.crl.com by mail.crl.com with SMTP id AA02476 (5.65c/IDA-1.5 for <aprssig@tapr.org>); Tue, 4 Apr 1995 14:42:25 -0700
Received: by crl6.crl.com id AA25485 (5.65c/IDA-1.5 for aprssig@tapr.org); Tue, 4 Apr 1995 14:43:18 -0700
Date: Tue, 4 Apr 1995 14:43:17 -0700 (PDT)
From: "Ruston S. Baum" <rsb@crl.com>
To: aprssig@tapr.org
Subject: Whats the best GPS for APRS?
Message-Id: <Pine.SUN.3.91.950404144008.25406A-1000000@crl6.crl.com>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Everyone,
I am looking for input on the best buy of a GPS reciever for APRS.
I would probably only use it for GPS and not for saffari work.
Looking for cheap...easy to interface unit.

Tnxs very much...

Rusty WB0QJB
rsb@crl.com

From bruninga@greatlakes.nadn.navy.mil Tue Apr 04 17:07:52 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id RAA10857 for <aprssig@tapr.org>; Tue, 4 Apr 1995 17:07:44 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1) id AA11027; Tue, 4 Apr 95 17:32:59 EDT
Date: Tue, 4 Apr 1995 17:32:59 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org

Subject: Re: [APRSSIG:613] Need a little help with the PK-12
In-Reply-To: <Pine.3.89.9504041446.A24770-0100000@ecom3.ecn.bgu.edu>
Message-Id: <Pine.SUN.3.91.950404173028.11022A@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 4 Apr 1995, William E Woomeer wrote:

> version. Long story - short: I can't seem to get the share version of
> 67b or my new, registered version of 67b to work. There are about 3 of
...
> they get it but my screen doesn't respond with the *ack. They see me,
> I don't
> see them. Then, if I get out of 67b, load 64b and run it, everything works

APR REPLY: Hummh... Are you sure you have EXPert mode on, or is it
NEWUSER, I forget which TNC has which command. Let us know the final
answer that fixes the problem... Oh, yes, be sure you have BBSMSGs OFF
for the AEA...

From martinbw@TEN-NASH.TEN.K12.TN.US Tue Apr 04 18:15:08 1995
Received: from ten-nash.ten.k12.tn.us (ten-nash.ten.k12.tn.us [198.146.3.220]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id SAA11094 for
<aprssig@tapr.org>; Tue, 4 Apr 1995 18:15:05 -0500
Received: from oscar.cayman.adclab.bls.com (cayman54.adclab.bls.com)
by TEN-NASH.TEN.K12.TN.US (PMDF V4.3-10 #7183)
id <01HOY83VS4TSB6JV5J@TEN-NASH.TEN.K12.TN.US>; Tue,
04 Apr 1995 18:14:57 -0600 (CST)
Date: Tue, 04 Apr 1995 18:14:35 -0600
From: "Bruce W. Martin" <martinbw@TEN-NASH.TEN.K12.TN.US>
Subject: Sony Pyxis and APRS
To: aprssig@tapr.org
Message-id: <9504041814.AA35408@oscar.cayman.adclab.bls.com>
MIME-version: 1.0
X-Mailer: InterCon TCP/Connect II 2.1.2
Content-type: Multipart/Mixed;boundary=part_ABA73D0900454B73000000002
Content-transfer-encoding: 7BIT

--part_ABA73D0900454B73000000002
Content-Type: Text/Plain; charset=US-ASCII
Content-Disposition: Inline

I am considering the purchase of a Sony Pyxis for use with APRS. Anybody using
this. Any comments for or against. Tucker is currently selling these for \$499
(formerly about \$1500). Are there other, better deals. I'm a newcomer to APRS
but quite impressed (now that I can get the maps to show up on my Mac). So
farr I have not found anybody else using the 145.79MHz frequency for APRS or
anything else that I can hear.

TIA

Bruce

--part_ABA73D0900454B73000000002
Content-Type: Text/Plain; charset=US-ASCII
Content-Disposition: Inline

```
*****
* Bruce W. Martin           Internet: martinbw@ten-nash.ten.k12.tn.us *
* 4558 Brooke Valley Dr.    Internet: martinbw@jackatak.theporch.com *
* Hermitage TN 37076-2650   Internet: bmartin@adclab.bls.com          *
* Voice: (615) 872-9942     AOL: Dragon16                          *
* FAX/MODEM: (615) 885-4182 HAM Call: KQ4TV                        *
* Work: (615) 244-2022                                           *
*   There is no such thing as a computer that is too fast.      *
*****
```

--part_ABA73D0900454B73000000002--

From kc5ejk@onramp.net Tue Apr 04 20:54:41 1995
Received: from ns.onramp.net (ns.onramp.net [199.1.11.2]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id UAA11870 for
<aprssig@tapr.org>; Tue, 4 Apr 1995 20:54:38 -0500
Received: from [199.1.11.110] (dal10.onramp.net [199.1.11.110]) by ns.onramp.net
(8.6.5/8.6.5) with SMTP id UAA12220 for <aprssig@tapr.org>; Tue, 4 Apr 1995
20:54:30 -0500
Message-Id: <v01510101aba7a82df36f@[199.1.11.130]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Tue, 4 Apr 1995 20:54:39 -0500
To: aprssig@tapr.org
From: kc5ejk@onramp.net (Robert Winingham)
Subject: Texas frequencies

I have been a member of the Texas VHF-FM Society and AMSAT
for over two years and I have looked at the frequencies
supplied be each organization.

This is all I could find.

Texas frequencies

```
145.775 New AMSAT Los Angeles Wed 0400z      CA      FM Simplex
145.790 Link W.Texas Connection WTC/LNX San Antonio TX FM Simplex
145.790 #####
145.800 Satellite Sub-band start 145.800 to 146.00
      Oscar-13 beacon is 145.812
-----
445.250 Link SW-texas Lynx System LNK Abilene TX      FM Simplex
445.250 TV Cable Ch YY
445.925 #####
446.000 Texas R.A.C.E.S. Emg Nets TEXAS              FM
```

I have not received any signals in Dallas, APRS or other wise on 145.79

Bob Winingham KC5EJK Dallas TX @EM12ot]

From amirault@max.tiac.net Tue Apr 04 21:02:04 1995
Received: from max.tiac.net (max.tiac.net [199.0.65.4]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id VAA11960 for
<aprssig@tapr.org>; Tue, 4 Apr 1995 21:02:00 -0500
Received: (from amirault@localhost) by max.tiac.net (8.6.9/8.6.6.Beta9) id
WAA22731; Tue, 4 Apr 1995 22:01:44 -0400
Date: Tue, 4 Apr 1995 22:01:44 -0400 (EDT)
From: Richard Amirault <amirault@max.tiac.net>
Subject: Re: [APRSSIG:613] Need a little help
To: aprssig@tapr.org
In-Reply-To: <Pine.3.89.9504041446.A24770-01000000@ecom3.ecn.bgu.edu>
Message-ID: <Pine.3.89.9504042146.A21746-01000000@max.tiac.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 4 Apr 1995, William E Woomer wrote:

> Hi all,
> I have a little problem involving an aea pk-12 tnc and the aprs program.
> I got a shareware version (64b) at a hamfest and it seems to work fine.
> A friend got me version 67b off of a bbs and I sent off for a registered
> version. Long story - short: I can't seem to get the share version of
> 67b or my new, registered version of 67b to work. There are about 3 of
> us in my area using it on 145.79 and when I fire up either 67b, I'm all
> alone. I can see their info coming across the bottom of the screen but
> they don't pop up on the screen. And, when I send them a one line message,
> they get it but my screen doesn't respond with the *ack. They see me, I don't
> see them. Then, if I get out of 67b, load 64b and run it, everything works
> fine. I've changed the monitor parameter to 4, mto and mfrom to all and
> it doesn't help me on 67b. Anyone got any ideas that I might try?
>

Curious I had the same problem but with version 6.6!

I started with 6.2a, and it worked ok. I got 6.6 from Bob and WHAM no
other station icons on screen but me! Now I'm using 6.7a and it is
working fine (at least that part).

While I'm here....I do have a small problem. I'm using a locally produced
map (Boston, Mass) and all is fine so long as I stay within the map. If I
zoom OUT past the map, then zoom back into it, the labels are all
corrupted. The highways, city names and so on are undreadable.

Anyone else have a similar problem?

Richard N1JDU, Boston
amirault@tiac.net

From gjones@tenet.edu Tue Apr 04 21:34:33 1995
Received: from Leslie-Francis.tenet.edu (Leslie-Francis.tenet.edu [198.213.2.9])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id VAA12162 for
<aprssig@tapr.org>; Tue, 4 Apr 1995 21:34:29 -0500
Received: (from gjones@localhost) by Leslie-Francis.tenet.edu (8.6.11/8.6.9) id
VAA07660 for aprssig@tapr.org; Tue, 4 Apr 1995 21:34:25 -0500
From: Greg Jones <gjones@tenet.edu>
Message-Id: <199504050234.VAA07660@Leslie-Francis.tenet.edu>
Subject: Re: [APRSSIG:616] TNC-2 RELEASE 1.19 + TINY-2 GPS
To: aprssig@tapr.org
Date: Tue, 4 Apr 1995 21:34:25 -0500 (CDT)
In-Reply-To: <9504041739.D4856qZ@pinos.com> from "gustavoc@pinos.com" at Apr 4, 95
04:18:39 pm
X-Mailer: ELM [version 2.4 PL23]
Content-Type: text
Content-Length: 604

Several others have had this problem...the chip is coming configured
7E1...so make sure you talk to it the first time in that mode then you can
set it to 8N1 one if you like.

The first few that wernt out didn't have the hint sheet attached.

Hope that helps.

greg

According to gustavoc@pinos.com:

>
>
> Hello !
>
> I'm try to work the new tnc-2 1.19 release 1.19 with my tiny 2 with gps.
>
> Is that possible ? I load all param like booklet tell but nothing
> happend. What is possible wrong ? How cna I test my gps ?
>
> Thanks for your help.
>
> Gustavo, LW2DTZ
>
>
> gustavoc@pinos.com
>

From JeffS5@aol.com Wed Apr 05 01:27:49 1995
Received: from mail06.mail.aol.com (mail06.mail.aol.com [152.163.172.108]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id BAA13610 for
<aprssig@tapr.org>; Wed, 5 Apr 1995 01:27:46 -0500
From: JeffS5@aol.com
Received: by mail06.mail.aol.com
(1.37.109.11/16.2) id AA222313265; Wed, 5 Apr 1995 02:27:45 -0400

Date: Wed, 5 Apr 1995 02:27:45 -0400
Message-Id: <950405022743_72352628@aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:591] Re: APRS frequency in SOCA

There is minor activity on 145.07 in the Santa Clarita Valley and on into Ventura area. I can see clear into Orange County from my QTH (34x 26' 23.8" /118x 29' 08.4" W) and hear nothing else. As soon as W6JW implements store & forward without FBB, I'll be there full time (jab-jab. . . U there Jim?). Till then the TNC's on .03.

When a real channel is decided upon, I think there will be considerable interest when the blips start showing up.

Jeff - WA6EQU

From hschu@sunrise.e-technik.uni-ulm.de Wed Apr 05 02:12:45 1995
Received: from sunrise.e-technik.uni-ulm.de (sunrise.e-technik.uni-ulm.de [134.60.21.34]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id CAA13713 for <aprssig@tapr.org>; Wed, 5 Apr 1995 02:12:41 -0500
Received: by sunrise.e-technik.uni-ulm.de (4.1/UniUlm-1.1m) id AA20235; Wed, 5 Apr 95 09:12:37 +0200
From: hschu@sunrise.e-technik.uni-ulm.de (Hermann Schumacher)
Message-Id: <9504050712.AA20235@sunrise.e-technik.uni-ulm.de>
Subject: Re: [APRSSIG:613] Need a little help
To: aprssig@tapr.org
Date: Wed, 5 Apr 95 9:12:37 MET DST
In-Reply-To: <Pine.3.89.9504041446.A24770-01000000@ecom3.ecn.bgu.edu>; from "William E Woomer" at Apr 4, 95 2:35 pm
X-Mailer: ELM [version 2.3 PL11]

N2TH0 wrote:>

> Hi all,
> I have a little problem involving an aea pk-12 tnc and the aprs program.
> I got a shareware version (64b) at a hamfest and it seems to work fine.
> A friend got me version 67b off of a bbs and I sent off for a registered
> version. Long story - short: I can't seem to get the share version of
> 67b or my new, registered version of 67b to work. There are about 3 of
> us in my area using it on 145.79 and when I fire up either 67b, I'm all
> alone. I can see their info coming across the bottom of the screen but
> they don't pop up on the screen. And, when I send them a one line message,
> they get it but my screen doesn't respond with the *ack. They see me, I don't
> see them. Then, if I get out of 67b, load 64b and run it, everything works
> fine. I've changed the monitor parameter to 4, mto and mfrom to all and
> it doesn't help me on 67b. Anyone got any ideas that I might try?
>

I had a similar problem with my trusty old PK232 and tracked it down to the way the headerline is parsed. Everything worked fine if we all worked through a digi, but for stations using me as a digi, they did not show up on my map, nor did I get the *ack.

The problem was solved by turning the digi display in the headerline off: MRPT OFF for my AEA.

With MRPT ON (which APRS forced when started), the headerline looked like this, for DL3SDM digipeating through me:

DL3SDM*>RELAY>APRS etc.

Now, it looks like this:

DL3SDM*>APRS

and everything works fine.

Am I correct that in parsing the headerline, APRS looks for the *> and takes whatever comes behind it as the destination?

73 from Germany (an APRS desert),
Hermann
DF2DR

--

Hermann Schumacher		hschu@ebs.e-technik.uni-ulm.de
Dept. of Electron Devices and Circuits		
University of Ulm,		office: +49 731 502-6152
D-89069 Ulm, Germany		FAX: +49 731 502-6155

Help fight leukemia - we're closing in on a killer!

From BillWB6LPG@aol.com Wed Apr 05 02:59:11 1995
Received: from mail06.mail.aol.com (mail06.mail.aol.com [152.163.172.108]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id CAA13838 for <aprssig@tapr.org>; Wed, 5 Apr 1995 02:59:08 -0500
From: BillWB6LPG@aol.com
Received: by mail06.mail.aol.com (1.37.109.11/16.2) id AA017348746; Wed, 5 Apr 1995 03:59:06 -0400
Date: Wed, 5 Apr 1995 03:59:06 -0400
Message-Id: <950405035903_72392079@aol.com>
To: aprssig@tapr.org
Subject: KAM Plus HF Gate

From: billwb6lpg@aol.com (Bill Bliss/WB6LPG)
Sender: aprssig@tapr.org
To: brad@ecst.csuchico.edu (Bradley Lee Ambers)

ATTN: Brad, Kam Plus HF Gate ops.

Kam plus Reference Manual, Pages 22, 28, 31, 32. and my APRS @ ALLUSW
MSG 041400UTC APR 95. via Packet BBS System.

Set foll CMD's:

MYG... to GATE.. (MYG GATE) to close gate type MYG %)

STream to \$7E/\$7C (~a / |A)

PORT to VHF

Status will read A/H Stream - I/O Disconnected

Also if ur in CMD: mode hit ~A for HF port to send. (SWIZZEL A or hit

|A for VHF port to send.) But in APRS just hit C-H for HF xmit, C -V for VHF to xmit, but you'll get RED warning Box if Gate in ur Unproto path.

For HF set unproto to read: "GATE,WIDE/APRS VIA (local VHF digi)

For VHF set unproto just to your VHF normal Digi path.

If you are in VHF xmit mode and you have (GATE) in your Unproto path you will get the Big RED Warning box.. Tells you why..

73's & Enjoy, BillWB6LPG @ aol.com

From gwyn@paccomm.com Wed Apr 05 05:14:05 1995

Received: from paccomm.com ([163.125.30.1]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id FAA14115 for <aprssig@tapr.org>; Wed, 5 Apr 1995 05:13:46 -0500

X-BBS-Msg-Type: P

Date: Tue, 04 Apr 95 16:59:49 UTC

Message-Id: <2291@paccomm.com>

From: gwyn@paccomm.com (Gwyn Reedy, W1BEL)

To: aprssig@tapr.org

Subject: Re: [APRSSIG:610] APRS - Delorme Rockwell GPS

In-Reply-To: your message of Tue, 4 Apr 1995 14:16:06 -0500.
<2274@paccomm.com>

e-mail address for keith is:

ksproul@noc.rutgers.edu

We have the Rockwell manuals here at PacComm, but haven't tried to comprehend the output data stream.

Gwyn Reedy, W1BEL gwyn@paccomm.com W1BEL@amsat.org

+(813) 874-2980 Fax:+(813) 872-8696 BBS: +(813) 874-3078 (V.34)

PacComm Packet Radio Systems, Inc, 4413 N. Hesperides St, Tampa, FL 33614-7618

From mwalker@interlog.com Wed Apr 05 07:12:20 1995

Received: from gold.interlog.com (gold.interlog.com [198.53.145.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTTP id HAA14279 for <aprssig@tapr.org>; Wed, 5 Apr 1995 07:12:16 -0500

Received: from interlog.com (mwalker.interlog.com [199.212.152.131]) by gold.interlog.com (8.6.9/8.6.9) with SMTP id IAA29975 for <aprssig@tapr.org>; Wed, 5 Apr 1995 08:12:10 -0400

Message-Id: <199504051212.IAA29975@gold.interlog.com>

Date: Tue, 04 Apr 95 22:18:25 EDT

From: mwalker@interlog.com (Mike Walker)

Reply-To: mwalker@interlog.com (Mike Walker)

To: aprssig@tapr.org

X-Mailer: PMMail (v1.05 UNREGISTERED SHAREWARE)

Subject: Frequency Coordination

I was afraid of the traffic I was going to start when I mentioned the frequency coordination.

We have gone through quite a tirad in Canada about a new bandplan for 2m, 220 and 440. What we have found is the following:

The 2M spectrum is finite and at some point in time, there will be no more 2m spectrum that you can call your own. This is why APRS was assigned 144.390, and to the best of our knowledge there is no conflict with any satellites, nor will there be in the future (who knows how long the future is...hi hi)

If APRS is looking for a national or worldwide 20khz frequency that they can call their own, it might be easier to use 440 (or even 220/440 gateways). I have a 2 watt Tekk radio that I use for 9600 baud packet (even at 2 watts) with great success. There is a few 9600 baud user ports even here in Toronto, so APRS could find a channel here that they could sort of call home. It might be best to do it now and avoid the rush (look ahead over the next 20 years and consider what has happened in the last 20 years).

If manufacturers want to build a small unit, then maybe this is the way to go. Just an idea. (I'll be glad to share all of the Canadian 200K of packet files that I have on the very heated discussions of spectrum).

73...mike

Mike Walker
127 High St. W.
Mississauga, ON
L5H 1K4

mwalker@interlog.com
rf: va3mw@va3bbs

From mwalker@interlog.com Wed Apr 05 07:19:04 1995

Received: from gold.interlog.com (gold.interlog.com [198.53.145.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id HAA14304 for <aprssig@tapr.org>; Wed, 5 Apr 1995 07:19:01 -0500

Received: from interlog.com (mwalker.interlog.com [199.212.152.131]) by gold.interlog.com (8.6.9/8.6.9) with SMTP id IAA00431 for <aprssig@tapr.org>; Wed, 5 Apr 1995 08:18:56 -0400

Message-Id: <199504051218.IAA00431@gold.interlog.com>

Date: Wed, 05 Apr 95 08:14:32 EDT

From: mwalker@interlog.com (Mike Walker)

Reply-To: mwalker@interlog.com (Mike Walker)

To: aprssig@tapr.org

X-Mailer: PMMail (v1.05 UNREGISTERED SHAREWARE)

Subject: Re: [APRSSIG:620] Sony Pyxis and APRS

On Tue, 4 Apr 1995 18:24:34 -0500 you wrote:

>

>--part_ABA73D0900454B73000000002

>Content-Type: Text/Plain; charset=US-ASCII

>Content-Disposition: Inline

>

>I am considering the purchase of a Sony Pyxis for use with APRS. Anybody using
>this. Any comments for or against. Tucker is currently selling these for \$499
>(formerly about \$1500). Are there other, better deals. I'm a newcomer to APRS
>but quite impressed (now that I can get the maps to show up on my Mac). So

>farr I have not found anybody else using the 145.79MHz frequency for APRS or
>anything else that I can hear.
>
>TIA
>
>Bruce

Bruce,
I own one, and unless you can figure out how to get the NMEA data from
it, I wouldn't recommend it. It is not a bad package, but not usefull
for APRS and a TNC as I haven't found a way to get the NMEA data from
it.

Cheers...mike

Mike Walker
127 High St. W.
Mississauga, ON
L5H 1K4

mwalker@interlog.com
rf: va3mw@va3bbs

From kinahan@ws007-fddi.bytex.network.com Wed Apr 05 08:10:04 1995
Received: from mail1.bytex.network.com (mail1.bytex.network.com [129.191.225.6])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id IAA14552 for
<aprssig@tapr.org>; Wed, 5 Apr 1995 08:09:59 -0500
Received: from ws007-fddi (ws007-fddi.bytex.network.com) by
mail1.bytex.network.com (4.1/SMI-4.1)
id AA12293; Wed, 5 Apr 95 09:10:29 EDT
Received: by ws007-fddi (4.1/SMI-4.1)
id AA14690; Wed, 5 Apr 95 09:13:47 EDT
Date: Wed, 5 Apr 95 09:13:47 EDT
From: kinahan@ws007-fddi.bytex.network.com (Tom Kinahan @ws007)
Message-Id: <9504051313.AA14690@ws007-fddi>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:622] Re: Need a little help

I've also seen corrupted labels on zooming up and then back in both with
the standard maps as well as locally produced maps (I suspect the same
ones you've got). I noticed this in versions prior to 6.7. I haven't seen in
in 6.7 though. My solution was to shut the labels off.

N1JDU sez:

>While I'm here....I do have a small problem. I'm using a locally produced
>map (Boston, Mass) and all is fine so long as I stay within the map. If I
>zoom OUT past the map, then zoom back into it, the labels are all
>corrupted. The highways, city names and so on are undreadable.

Tom Kinahan N1CPE, Framingham, Ma.

kinahan@bytex.network.com

From gerry@cs.tamu.edu Wed Apr 05 08:17:32 1995
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id IAA14661 for <aprssig@tapr.org>; Wed, 5 Apr 1995 08:17:26 -0500
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id IAA19051 for <aprssig@tapr.org>; Wed, 5 Apr 1995 08:17:23 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id IAA17834 for aprssig@tapr.org; Wed, 5 Apr 1995 08:17:21 -0500
Message-Id: <199504051317.IAA17834@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:628] Frequency Coordination
To: aprssig@tapr.org
Date: Wed, 5 Apr 1995 08:17:20 -0500 (CDT)
In-Reply-To: <199504051212.IAA29975@gold.interlog.com> from "Mike Walker" at Apr 5, 95 07:27:31 am
X-Mailer: ELM [version 2.4 PL23]
Content-Type: text
Content-Length: 1995

Mike Walker sez:

>

> I was afraid of the traffic I was going to start when I mentioned the
> frequency coordination.

Ah, well. Don't be. I've had to fight on one side or the other of packet coordination and allocation for well over 10 years down this way.

> We have gone through quite a tirad in Canada about a new bandplan for
> 2m, 220 and 440. What we have found is the following:
> ...
>
> If APRS is looking for a national or worldwide 20khz frequency that
> they can call their own, it might be easier to use 440 (or even
> 220/440 gateways). I have a 2 watt Tekk radio that I use for 9600
> baud packet (even at 2 watts) with great success. There is a few 9600
> baud user ports even here in Toronto, so APRS could find a channel
> here that they could sort of call home. It might be best to do it now
> and avoid the rush (look ahead over the next 20 years and consider
> what has happened in the last 20 years).

I've got 20 of 'em, and they work well. Even on cows. In a harsh environment. They're pretty rugged little radios, and inexpensive.

I suspect UHF is a good way to go. that's the path I'm pursuing here in Texas, because I already know what the chances of a statewide 2 meter channel really are. But this needs to be done in the manner you did it: In conjunction with a recognized frequency coordination body, and not by a suggestion in print that "I think this is a nice chanel!"

> If manufacturers want to build a small unit, then maybe this is the
> way to go. Just an idea. (I'll be glad to share all of the Canadian
> 200K of packet files that I have on the very heated discussions of
> spectrum).

No need. I've got the Texas stuff here :-)

73, gerry

--

Gerry Creager N5JXS * SAREX Co-Investigator
gerry@cs.tamu.edu * A little radio that lets kids talk
gcreager@gothamcity.jsc.nasa.gov * to astronauts, and smile

From paul@paccomm.com Wed Apr 05 08:31:08 1995

Received: from paccomm.com ([163.125.30.1]) by dingus.n5lyt.datarace.com
(8.6.10/8.6.9) with SMTP id IAA14743 for <aprssig@tapr.org>; Wed, 5 Apr 1995
08:30:49 -0500

X-BBS-Msg-Type: P

Date: Wed, 05 Apr 95 09:23:20 UTC

Message-Id: <2327@paccomm.com>

From: paul@paccomm.com

To: aprssig@tapr.org

Subject: Sony GPS Rx

Hi. Yes, the Sony is a pain. No-body has yet figured out what the
stupid connector is on the thing.

Joel Kandel has come the nearest to finding out by phoning Japan and
talking with 'em. The response sounded like they'd never attempted to
get data out of it!

There's an ugly rumour that somebody is going to make a cable for it
in Japan, but I'll bet it'll be VERY pricey!

If someone has a description of what that connector is PacComm would
be happy to build cables at a reasonable price!

Joel sent me a fax showing the connector, but it still wasn't too
helpful in helping us track down this thing!!!!!!

Can anybody help???????

Regards, Paul

- - - - -
Paul Evans, W4/G4BKI paul@paccomm.com

+1 (813) 874-2980 Fax:+1 (813) 872-8696 BBS: +1 (813) 874-3078 (V.34)

The views expressed in this message are not necessarily those of PacComm.

Vice President of Florida CW Contest Group

Runners-up in NAQP CW at our FIRST attempt

PacComm Packet Radio Systems, Inc., 4413 N. Hesperides St., Tampa, FL 33614-7618

From miles@mail.utexas.edu Wed Apr 05 09:05:50 1995

Received: from smtp.utexas.edu (smtp.utexas.edu [128.83.126.2]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTMP id JAA15123 for
<aprssig@tapr.org>; Wed, 5 Apr 1995 09:05:44 -0500

Received: from mail.utexas.edu (mail.utexas.edu [128.83.126.1]) by smtp.utexas.edu
(8.6.7/8.6.6) with ESMTMP id JAA03690 for <aprssig@tapr.org>; Wed, 5 Apr 1995
09:02:38 -0500

Received: from [128.83.159.101] (klinton.util.utexas.edu [128.83.159.101]) by
mail.utexas.edu (8.6.9/8.6.6) with SMTP id JAA00829 for <aprssig@tapr.org>; Wed, 5

Apr 1995 09:00:10 -0500
Date: Wed, 5 Apr 1995 09:00:10 -0500
Message-Id: <v01510102aba80c1fd730@[128.83.159.101]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: miles@mail.utexas.edu (Miles Abernathy)
Subject: Re: [APRSSIG:632] Sony GPS Rx

>If someone has a description of what that connector is PacComm would
>be happy to build cables at a reasonable price!

Hi Paul!

Do you think PacComm can provide connectors for the Magellan 40 / 45? The
factory cable + connector goes for \$30 list, \$28 discount house. It has 4
pins, 2 power and 2 signal.

```
-----  
| Miles Abernathy, N5K0B | "I urge you to dream - I did, and one |  
| U. of TX, P O Box 7580 | day I found myself standing on the |  
| Austin, Texas 78713 USA | surface of the moon." - Gene Cernan |  
-----
```

From bruninga@greatlakes.nadn.navy.mil Wed Apr 05 09:14:41 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id JAA15508 for
<aprssig@tapr.org>; Wed, 5 Apr 1995 09:14:32 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA15134; Wed, 5 Apr 95 10:13:31 EDT
Date: Wed, 5 Apr 1995 10:13:31 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:620] Sony Pyxis and APRS
In-Reply-To: <9504041814.AA35408@oscar.cayman.adclab.bls.com>
Message-Id: <Pine.SUN.3.91.950405101010.14888C-100000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 4 Apr 1995, Bruce W. Martin wrote:

>

> I am considering the purchase of a Sony Pyxis for use with APRS. Anybody using
> this. Any comments for or against. Tucker is currently selling these for \$499
> (formerly about \$1500). Are there other, better deals. I'm a newcomer to APRS

APR REPLY: Wooaha!

1) When I checked 2 years ago, the Pixis was the ONLY GPS WITHOUT a serial
output. That made it useless at the time....

2) Do not pay \$495 for ANY GPS unless it flies

3) Any of the national boat stores list price around \$299 for some very nice handheld GPS units.

This SONY of which you speak, may be different than the one I looked at 2 years ago, IF SO, SOMEONE PLEASE FILL US IN....

From klarson@access.digex.net Wed Apr 05 09:24:03 1995
Received: from access3.digex.net (access3.digex.net [164.109.10.6]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id JAA15572 for <aprssig@tapr.org>; Wed, 5 Apr 1995 09:23:54 -0500
Received: by access3.digex.net id AA16673
(5.67b8/IDA-1.5 for aprssig@tapr.org); Wed, 5 Apr 1995 10:23:43 -0400
Date: Wed, 5 Apr 1995 10:23:42 -0400 (EDT)
From: Kent Larson <klarson@access.digex.net>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:631] Re: Frequency Coordination
In-Reply-To: <199504051317.IAA17834@solar.cs.tamu.edu>
Message-Id: <Pine.SUN.3.91.950405102045.16213A-100000@access3.digex.net>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 5 Apr 1995, Gerald J Creager wrote:

> Mike Walker sez:
> >
> > If APRS is looking for a national or worldwide 20khz frequency that
> > they can call their own, it might be easier to use 440 (or even
> > 220/440 gateways). I have a 2 watt Tekk radio that I use for 9600
> > baud packet (even at 2 watts) with great success. There is a few 9600
> > baud user ports even here in Toronto, so APRS could find a channel
>
> I've got 20 of 'em, and they work well. Even on cows. In a harsh
> environment. They're pretty rugged little radios, and inexpensive.

Could you fill me in on Tekk radios? Have never heard of them. Are they 440 only or can they do 2m? Crystal? How much? Where?

Thanks, Kent

From bruninga@greatlakes.nadn.navy.mil Wed Apr 05 09:26:37 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id JAA15609 for <aprssig@tapr.org>; Wed, 5 Apr 1995 09:26:23 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA15452; Wed, 5 Apr 95 10:23:58 EDT
Date: Wed, 5 Apr 1995 10:23:58 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:622] Re: Need a little help
In-Reply-To: <Pine.3.89.9504042146.A21746-0100000@max.tiac.net>
Message-Id: <Pine.SUN.3.91.950405101747.14888E-100000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 4 Apr 1995, Richard Amirault wrote:

> While I'm here....I do have a small problem. I'm using a locally produced
> map (Boston, Mass) and all is fine so long as I stay within the map. If I
> zoom OUT past the map, then zoom back into it, the labels are all
> corrupted. The highways, city names and so on are undreadable.

APR REPLY: You are not the first. I have even seen it occassionally.
We need more info to find the bug (if any)

1. Use a txt editor to see how many labels are in the map file... (must be less than 99)
2. Use MAPFIX to see how many points are in the file (must be less than 2999)
3. Try everything on a different PC. May be MEMORY corruption due to not enough memory. (or free up some more memory on this machine) and see if problem persists...

From bruninga@greatlakes.nadn.navy.mil Wed Apr 05 10:09:42 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id KAA15936 for
<aprssig@tapr.org>; Wed, 5 Apr 1995 10:09:24 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA15901; Wed, 5 Apr 95 11:08:39 EDT
Date: Wed, 5 Apr 1995 11:08:39 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:625] Re: AEA TNC's
In-Reply-To: <9504050712.AA20235@sunrise.e-technik.uni-ulm.de>
Message-Id: <Pine.SUN.3.91.950405103803.14888G-1000000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

In response to someone that was having problems with an AEA PK-12, On Wed, 5 Apr 1995, Hermann Schumacher wrote:

> I had a similar problem with my trusty old PK232 and tracked it down to the
> way the headerline is parsed. Everything worked fine if we all worked
> through a digi, but for stations using me as a digi, they did not show up on
> my map, nor did I get the *ack.
>
> The problem was solved by turning the digi display in the headerline off:
> MRPT OFF for my AEA.
>
> With MRPT ON (which APRS forced when started), the headerline looked like
> this, for DL3SDM digipeating through me:
>
> DL3SDM*>RELAY>APRS etc.
>
> Now, it looks like this:

>
> DL3SDM*>APRS
>
> and everything works fine.
>

APR REPLY: Argh!!!@#\$\$% Those AEA's! I think we found the problem:

- 1) the AEA monitor display is DIFFERENT than all other TNC's.
- 2) APRS DOES know how to parse it, however, if you indicate that you are using an AEA TNC during APRS set-up
- 3) The fix just described above IS NOT THE CORRECT fix. The fix above removes the digi field, so that the result looks ALMOST like a standard packet header (This tells me that Hermans APRS is NOT in AEA mode) But then it does NOT let APRS parse the digipeater field and build up its D-PAGE.
- 4) BUT it is MORE than that! You can make MOST AEAs look like REAL TNCs by giving it the command BBSMSGs ON. APRS thought that this was the final answer, and implemented it in version 6.0 more or less. BUT THEN THERE WERE LOTS OF OLD AEA ROMS OUT THERE that did NOT recognize the BBSMSGs ON command. So in version 6.5 more or less, I removed the BBSMSGs ON command, and instead, now force it OFF. So now I am back to parsing AEA formats for AEA TNC's.
- 5) I suspect that Herman (above) has an OLD AEA but a version of APRS that is trying to make his AEA look like a TAPR TNC with the BBSMSGs ON command. Since his TNC does NOT recognize the command, and continues to output AEA format, he has to make the above mod to get it to work. If so, he needs either a NEWer AEA ROM (anything in the last few years will work) or a newer version (or OLDER version) of APRS.

NOW BACK TO THE PROBLEM AT HAND. AEA TNC's ALSO DO ANOTHER STUPID THING... They default to MDIGI off! That means that they DO NOT MONITOR any packets going through themselves as a digi! In a virgin APRS net, where EVERYONE uses EVERYONE as a digi (RELAY) this means the AEA TNC's do NOT see ANYONE ELSE's packets that they hear direct!!!!

I BET this is the problem with the guy with the PK-12 (or any other AEA TNC that can't see anyone else unless they go through ANOTHER digipeater... Try turning MDIGI ON.

From bruninga@greatlakes.nadn.navy.mil Wed Apr 05 11:42:30 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id LAA16613 for
<aprssig@tapr.org>; Wed, 5 Apr 1995 11:42:24 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA17237; Wed, 5 Apr 95 12:41:41 EDT
Date: Wed, 5 Apr 1995 12:41:41 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: FIXED bug in HSP,GPS,RCM!
Message-Id: <Pine.SUN.3.91.950405123036.17182A-100000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Well, Thanks to Karl Metcalf, who phoned that APRS was IGNORING RMC!

That has been the main problem that HSP was not working well for some users. My earlier BETA tests of fixes were concentrating on the timing and selection process for GLL/GGA/RMC, but I never realized that RMC was NOT working at all for OWN STATION! (my GPS doesnt have RMC)

So if APRS saw an RMC and used it, then, since it had a bug and was not then USING the RMC data (for station 0, yourself), that POSIT would not get plotted. RMC WAS working off-the air for other stations....

Anyway, BETA68x.zip is now posted, and I would appreciate someone testing it with a GPS that outputs RMC. Download from the UPLOAD (or APRS) directory of 410 280-2503...

OH yes, this bug will have been in there since 6.5!

WHen this fix is proved good, then I will upload the full 6.8 upgrade...

From BARRETTD@CRPL.CEDAR-RAPIDS.LIB.IA.US Wed Apr 05 12:07:40 1995
Received: from CRPL.CEDAR-RAPIDS.LIB.IA.US (crpl.cedar-rapids.lib.ia.us [198.134.138.1]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id MAA16879 for <aprssig@tapr.org>; Wed, 5 Apr 1995 12:07:32 -0500
From: BARRETTD@CRPL.CEDAR-RAPIDS.LIB.IA.US
Date: Wed, 5 Apr 1995 12:07:38 -0500 (CDT)
To: aprssig@tapr.org
Message-Id: <950405120738.1157@CRPL.CEDAR-RAPIDS.LIB.IA.US>
Subject: RE: [APRSSIG:629] Re: Sony Pyxis and APRS

I belive that the Radio Shack PDA Comm Cable is the same type of connector that the Pyxis uses; so that shouls solve the cable problem. Then it's just a matter of scoping the wires for data.

Hope that helps!

From seront@seism1.ess.sunysb.edu Wed Apr 05 12:11:12 1995
Received: from CCMail.SUNYSB.EDU (ccmail.sunysb.edu [129.49.1.103]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id MAA16893 for <aprssig@tapr.org>; Wed, 5 Apr 1995 12:11:07 -0500
Received: from seism1.ess.sunysb.edu by ccmail.sunysb.edu (PMDF V4.3-7 #5424) id <01HOZBRGPYTSR8UZCB@ccmail.sunysb.edu>; Wed, 5 Apr 1995 13:10:55 EDT
Received: from corto (corto.ess.sunysb.edu) by seism1.ess.sunysb.edu (4.1/SMI-4.1) id AA01326; Wed, 5 Apr 95 13:10:13 EDT
Date: Wed, 05 Apr 1995 12:11:46 -0500
From: seront@seism1.ess.sunysb.edu (Bernard Seront)
Subject: MacAPRS install problems
X-Sender: seront@seism1.ess.sunysb.edu
To: aprssig@tapr.org
Message-id: <9504051710.AA01326@seism1.ess.sunysb.edu>
MIME-version: 1.0
X-Mailer: <PC Eudora Version 1.4>

Content-type: text/plain; charset="us-ascii"

Content-transfer-encoding: 7BIT

I downloaded Mac APRS 1.4.2 from ftp.tapr.org.

I had no problem with the program itself nor with the doc but I'm not able to decode the map and data files.

When I unbinhex the files MacAPRS.Map.sit.hqx and MacAPRS.Dat.sit.hqx i got MacAPRS.Map.sit and MacAPRS.Data.sit without (I think) errors; but when I unstuffit (stuffit lite 3.0.3) these files i got two files MacAPRS Map Folder.image and MacAPRS Data Folder.image instead of the folders with the files in it.

Did I missed something or is there something else to do?

To explain everything, here is how i do that:

I need to download the files with my PC, which is on internet, then split the files to put them on a disk (each of them is bigger than 1.4M!), transfer them to the mac (which I cannot connect to internet), join them and finally unbinhex them. I don't think the problem come from these operations (?) as I can unbinhex the files ok.

By the way, why are these files binhexed? you can ftp 8 bits files, binhex is useful only to send 8 bits files by email. Not binhexed each .sit file fits on 1 disk.

Thanks by advance.

Bernard, KB2TGH

<<>><>>> Bernard Seront
| | e-mail: seront@seism1.ess.sunysb.edu
| (o)(o)
| | addr: Department of Earth and Space Sciences
| ,___| State University of New-York at Stony Brook
|___/ STONY BROOK, NY, 11794-2100, USA
/ \ phone: (516)632-8302 fax: (516)632-8240

From BARRETTD@CRPL.CEDAR-RAPIDS.LIB.IA.US Wed Apr 05 12:14:05 1995

Received: from CRPL.CEDAR-RAPIDS.LIB.IA.US (crpl.cedar-rapids.lib.ia.us [198.134.138.1]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id MAA16919 for <aprssig@tapr.org>; Wed, 5 Apr 1995 12:13:57 -0500

From: BARRETTD@CRPL.CEDAR-RAPIDS.LIB.IA.US

Date: Wed, 5 Apr 1995 12:14:09 -0500 (CDT)

To: aprssig@tapr.org

Message-Id: <950405121409.1157@CRPL.CEDAR-RAPIDS.LIB.IA.US>

Subject: RE: [APRSSIG:632] Sony GPS Rx

>If someone has a description of what that connector is PacComm would
>be happy to build cables at a reasonable price!

I think that the RS232 comm cable Radio Shack Sell's for their PDA is the equivalent cable it's listed in their catalog. I haven't had the chance to compare RS's PDA and the Pyxis connectors side by side but I have seen both

and believe the connectors are the same.

From laborde@kilroy.jpl.nasa.gov Wed Apr 05 12:33:36 1995

Received: from kilroy.jpl.nasa.gov (kilroy.jpl.nasa.gov [128.149.63.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTMP id MAA17117 for <aprssig@tapr.org>; Wed, 5 Apr 1995 12:33:27 -0500

Received: from [128.149.100.84] (kd6msm.jpl.nasa.gov [128.149.100.84]) by kilroy.jpl.nasa.gov (8.6.10/8.6.6) with SMTP id KAA17140 for <aprssig@tapr.org>; Wed, 5 Apr 1995 10:33:07 -0700

Date: Wed, 5 Apr 1995 10:33:07 -0700

Message-Id: <199504051733.KAA17140@kilroy.jpl.nasa.gov>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

To: aprssig@tapr.org

From: laborde@kilroy.jpl.nasa.gov (Gregory R. LaBorde)

Subject: Re: [APRSSIG:628] Frequency Coordination

At 7:27 AM 4-5-95 -0500, Mike Walker wrote:

>If APRS is looking for a national or worldwide 20khz frequency that
>they can call their own, it might be easier to use 440 (or even
>220/440 gateways).

[snip]

>... It might be best to do it now
>and avoid the rush (look ahead over the next 20 years and consider
>what has happened in the last 20 years).

>If manufacturers want to build a small unit, then maybe this is the
>way to go. Just an idea.

Maybe mfgs should package up a unit for 1.2, or 2.4, or higher. APRS seems like a good way to start occupying some prime real estate.

-Greg

--

Gregory R. LaBorde - KD6MSM	Internet: laborde@kilroy.jpl.nasa.gov
Jet Propulsion Laboratory	AMPRNet : kd6msm@jpl-gw.w6vio.ampr.org
Systems Engineering - Galileo OET	Packet : KD6MSM@W6VIO.#SOCA.CA.USA.NA
M/S 264-805 4800 Oak Grove Drive	Phone : (818) 393-1107
Pasadena, CA 91109	

From mead@skat.usc.edu Wed Apr 05 12:36:58 1995

Received: from skat.usc.edu (skat.usc.edu [128.125.253.131]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTMP id MAA17142 for <aprssig@tapr.org>; Wed, 5 Apr 1995 12:36:46 -0500

Received: from hamal.usc.edu (mead@hamal.usc.edu [128.125.18.25])

by skat.usc.edu (8.6.10/8.6.4) with ESMTMP

id KAA27484 for <aprssig@tapr.org>; Wed, 5 Apr 1995 10:36:38 -0700

Received: (mead@localhost)

by hamal.usc.edu (8.6.10/8.6.7+ucs)

id KAA29092; Wed, 5 Apr 1995 10:36:37 -0700
Date: Wed, 5 Apr 95 10:36:36 PDT
From: Dick Mead <mead@skat.usc.edu>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:640] MacAPRS install problems
In-Reply-To: Your message of Wed, 5 Apr 1995 12:22:33 -0500
Message-ID: <CMM.0.90.2.797103396.mead@hamal.usc.edu>

> I downloaded Mac APRS 1.4.2 from ftp.tapr.org.
> I had no problem with the program itself nor with the doc but I'm not able
> to decode the map and data files.
> When I unbinhex the files MacAPRS.Map.sit.hqx and MacAPRS.Dat.sit.hqx i got
> MacAPRS.Map.sit and MacAPRS.Data.sit without (I think) errors; but when I
> unstuffit (stuffit lite 3.0.3) these files i got two files MacAPRS Map
> Folder.image and MacAPRS Data Folder.image instead of the folders with the
> files in it.
>
> Did I missed something or is there something else to do?
>
> To explain everything, here is how i do that:
> I need to download the files with my PC, which is on internet, then split
> the files to put them on a disk (each of them is bigger than 1.4M!),
> transfer them to the mac (which I cannot connect to internet), join them and
> finally unbinhex them. I don't think the problem come from tese operations
> (?) as I can unbinhex the files ok.
> By the way, why are these files binhexed? you can ftp 8 bits files, binhex
> is useful only to send 8 bits files by email. Not binhexed each .sit file
> fits on 1 disk.
>
> Thanks by advance.
>
> Bernard, KB2TGH
> -----
> <<>><>>> Bernard Seront
> | e-mail: seront@seism1.ess.sunysb.edu
> | (o)(o)
> \ _) addr: Department of Earth and Space Sciences
> | ,___| State University of New-York at Stony Brook
> |___/ STONY BROOK, NY, 11794-2100, USA
> / \ phone: (516)632-8302 fax: (516)632-8240
>
>
>

They are disk images of the folders. Mount them or make a diskette with one of the disk image apps like DiskCopy, ShrinkWrap, etc...

Dick
From POSTMSTR@SSWP.HCC.COM Wed Apr 05 13:17:25 1995
Received: from gatekeeper.hcc.com (gatekeeper.hcc.com [148.163.104.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id NAA17414 for <aprssig@tapr.org>; Wed, 5 Apr 1995 13:17:12 -0500

Received: by gatekeeper.hcc.com (5.65/jj-092193);
id AA18510; Wed, 5 Apr 95 14:17:09 -0400
Received: by mailgate.bridgewater.ne.hcc.com (5.65/ejc-092393< Who Loves Class M
Planets>);
id AA11424; Wed, 5 Apr 1995 14:17:07 -0400
Received: from ahcenter.bridgewater.ne.hcc.com by diogenes.bridgewater.ne.hcc.com
with SMTP
(1.38.193.4/16.2) id AA12854; Wed, 5 Apr 95 14:11:33 -0400
Received: by SSWP.HCC.COM
(Soft*Switch Central V4L380P6) id 964814140095095FSSWP;
05 Apr 1995 14:14:14 GMT
Message-Id: <SSWP.POSTMSTR.964814140095095FSSWP@HCC.COM>
Date: 05 Apr 1995 14:14:14 GMT
From: "Postmaster" <POSTMSTR@SSWP.HCC.COM>
Subject: DISTRIBUTION STATUS
To: aprssig@tapr.org
Comment: MEMO 04.05.95 14.14

SMTP.APRSSIG DISTRIBUTION STATUS INFORMATION 04/05/95 14:14:01
=====

DISTRIBUTION ID: SMTP.APRSSIG.3840
SUBJECT : .APRSSIG:641. RE: Sony GPS Rx
DATE SENT : 04/05/95 TIME SENT: 14:13:00
=====

YOUR MAIL WAS NOT DELIVERED FOR THE FOLLOWING REASON:

SNADS STATUS : 000C
EXPLANATION : SNADS REQUEST PURGED

=====

RECIPIENT : AMGDAL.HUGHES1
LAST NAME : HUGHES
FIRST NAME : PATRICK
MIDDLE INITIAL :
INITIALS : M
NATIVE NAME : AMG/AMGDAL/HUGHES1
COUNTRY : US
ADMD : TELEMAL
PRMD : HOECHST
ORGANIZATION :
ORG UNIT 1 :
ORG UNIT 2 :
ORG UNIT 3 :
ORG UNIT 4 :
DDA :
TITLE : APP RES MGR
DESCRIPTION :
USERDATA :

3089 YA0870147161HUGHES HUGHES1
 PATRICK

M 4 CG-HQS-DALLAS UNITED STATES L
TELEPHONE : 8883807

From janderson@ram.net Wed Apr 05 14:49:22 1995
Received: from ram.net (ram.net [199.97.216.2]) by dingus.n5lyt.datarace.com
(8.6.10/8.6.9) with SMTP id OAA18251 for <aprssig@tapr.org>; Wed, 5 Apr 1995
14:49:16 -0500
Received: by ram.net (5.65/1.3-eef)
id AA24114; Wed, 5 Apr 95 15:49:17 -0400
From: janderson@ram.net (Jack Anderson)
To: aprssig@tapr.org
Subject: Re: [APRSSIG:638] FIXED bug in HSP,GPS,RMC!
Date: Wed, 05 Apr 95 15:49:02 GMT
Message-Id: <15021591.0a62@ram.net>
Version: RAMail 2.8n
Location: FAIRFAX/CENTERPOINTE (1048) FAIRFAX, VA

>From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
>Subject: [APRSSIG:638] FIXED bug in HSP,GPS,RMC!
>Date: Wed, 5 Apr 1995 11:48:05 -0500
>Reply-To: aprssig@tapr.org
>Sender: aprssig@tapr.org
>To: aprssig@tapr.org
>
>Well, THanks to Karl Metcalf, who phoned that APRS was IGNORING RMC!
>
>That has been the main problem that HSP was not working well for some
>users. My earlier BETA tests of fixes were concentrating on the timing
>and selection process for GLL/GGA/RMC, but I never realized that RMC was
>NOT working at all for OWN STATION! (my GPS doesnt have RMC)
>
>So if APRS saw an RMC and used it, then, since it had a bug and was not
>then USING the RMC data (for station 0, yourself), that POSIT would not get
>plotted. RMC WAS working off-the air for other stations....
>Anyway, BETA68x.zip is now posted, and I would appreciate someone
>testing it with a GPS that outputs RMC. Download from the UPLOAD (or APRS)

Looks good here. I'm seeing RMC/GLL/GGA with NMEA 2.0, and GLL/VTG with NMEA
1.5. Very high success rate. Just about every toggle returns some kind of
valid fix and update.

Jack

From janderson@ram.net Wed Apr 05 14:51:53 1995
Received: from ram.net (ram.net [199.97.216.2]) by dingus.n5lyt.datarace.com
(8.6.10/8.6.9) with SMTP id OAA18317 for <aprssig@tapr.org>; Wed, 5 Apr 1995
14:51:46 -0500
Received: by ram.net (5.65/1.3-eef)
id AA24152; Wed, 5 Apr 95 15:51:44 -0400
From: janderson@ram.net (Jack Anderson)
To: aprssig@tapr.org
Subject: BETA68 comment
Date: Wed, 05 Apr 95 15:51:36 GMT
Message-Id: <15021591.0a63@ram.net>

Version: RAMail 2.8n

Location: FAIRFAX/CENTERPOINTE (1048) FAIRFAX, VA

It looks like the CONTROLS-DEAD_RECKONING command changed from C-R to C-D in the new beta...

From hds@gagme.wwa.com Wed Apr 05 16:52:29 1995

Received: from sashimi.wwa.com (sashimi.wwa.com [198.49.174.1]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id QAA19097 for <aprssig@tapr.org>; Wed, 5 Apr 1995 16:52:24 -0500

From: hds@gagme.wwa.com

Received: from .wwa.com by sashimi.wwa.com with smtp (Smail3.1.29.1 #2) id m0rwd1n-001VvzC; Wed, 5 Apr 95 16:54 CDT

Message-Id: <m0rwd1n-001VvzC@sashimi.wwa.com>

Date: Wed, 5 Apr 95 16:54 CDT

X-Sender: hds@gagme.wwa.com

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

To: aprssig@tapr.org

Subject: Chicago area activity????

X-Mailer: <PC Eudora Version 1.4>

Hi all. I'm new to this list so I'm not sure if this has been answered before. I was wondering if anyone knows if there is any APRS activity in the Chicago area?

Thanks,
Aaron

This is my signature. There are many like it, but this one is mine.

From hurlockw@netaxis.com Wed Apr 05 20:01:45 1995

Received: from netaxis.com (eliza.netaxis.com [198.69.103.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id UAA20075 for <aprssig@tapr.org>; Wed, 5 Apr 1995 20:01:37 -0500

Received: from mail.netaxis.com (eliza.netaxis.com) by netaxis.com (5.0/SMI-SVR4) id AA23913; Wed, 5 Apr 1995 21:04:38 -0400

Message-Id: <9504060104.AA23913@netaxis.com>

X-Sender: hurlockw@netaxis.com

X-Mailer: Windows Eudora Version 1.4.4

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Wed, 05 Apr 1995 20:02:42 -0400

To: aprssig@tapr.org

From: hurlockw@netaxis.com (Bill Hurlock)

Subject: Re: [APRSSIG:645] Re: FIXED bug in HSP,GPS,RMC!

content-length: 1776

Wish I could say the same on this end. I d/l'd beta68x tonight and fired it up with the GPS on comm 1 and PK 232 on Comm 2. First thing I noticed was my symbol kept disappearing off the map when I would switch from the regular map to the Y command. I would then go back in and reassign my symbol and all

looked well till I started noticing several other stations on the channel were giving out my posits but I was no where to be found. I pressed the P command and what I saw was the first station at the top of the list was being updated with my NEMA fixes every 10 seconds and as another station moved to the top of the list that station would now be getting my NEMA fixes. This is with the GARMAN GPS 45. I also noticed that the Altitude is still not updating. Once in maybe 20 fixes I might get a Altitude reading. This problem of updating another stations posit seems to have happened in this X beta. I did notice the problem of the sysmbol disappearing when I went to 6.8. I also notice that even though the program says it got a good fix it is not updating the posit each time a new fix comes in. I went 0 C G and the data is coming in prefect. If you want I can send you a grap of about a minutes worth of the GARMAN GPS-45's NEMA so you can see what is being sent out. I can send you some of the NEAM ver 2.0 and the version 1.5. Sorry about the typooooos this is a temp keyboard till I can get my regular one repaired.

>Looks good here. I'm seeing RMC/GLL/GGA with NMEA 2.0, and GLL/VTG with NMEA
>1.5. Very high success rate. Just about every toggle returns some kind of
>valid fix and update.

>

>Jack

>

>

//-----

hurlockw@netaxis.com

wa2tqi.ampr.org 41.08.33N 73.23.51W

grid square FN31jd

From gerry@cs.tamu.edu Wed Apr 05 20:18:08 1995

Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id UAA20193 for

<aprssig@tapr.org>; Wed, 5 Apr 1995 20:18:01 -0500

Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by
cs.tamu.edu (8.6.10/8.6.4) with ESMTP id UAA10370 for <aprssig@tapr.org>; Wed, 5
Apr 1995 20:17:56 -0500

From: Gerald J Creager <gerry@cs.tamu.edu>

Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id UAA08796 for
aprssig@tapr.org; Wed, 5 Apr 1995 20:17:49 -0500

Message-Id: <199504060117.UAA08796@solar.cs.tamu.edu>

Subject: Re: [APRSSIG:635] Re: Frequency Coordination

To: aprssig@tapr.org

Date: Wed, 5 Apr 1995 20:17:49 -0500 (CDT)

In-Reply-To: <Pine.SUN.3.91.950405102045.16213A-1000000@access3.digex.net> from
"Kent Larson" at Apr 5, 95 09:28:55 am

X-Mailer: ELM [version 2.4 PL23]

Content-Type: text

Content-Length: 1564

Kent Larson sez:

>

> Could you fill me in on Tekk radios? Have never heard of them. Are they

> 440 only or can they do 2m? Crystal? How much? Where?

The Tekk Radios (Tekk, KC Mo.) are 2 watt, UHF crystal controlled data radios that look like they were implemented pretty much from a Motorola databook. They are NOT designed for an intense RF environment, like a repeater site, without some work: The front end is NOT up to the drill. They are reliable, inexpensive (~\$110-120, small quantities). They come available with one frequency on ham bands, but for the life of me I cannot recall what it is. If memory serves they'll change freq's for about \$15.00, since THEY have to order crystals.

They can supply you with a tech manual, which is pretty good, all things considered.

Construction is pretty good, with a lot of SMT and some reasonable heatsinking.

I've had little trouble doing 9600 baud right out of the box, but some others recommend a filter change for improved performance. I'd say the radios are right on the hairy edge of 9600 performance.

I guess I need to dig up the phone number, and I'll try to do that over the next couple of days. It's in a pile of paper upstairs, and I have to troubleshoot some hardware first :-)

73, gerry

--

Gerry Creager N5JXS * SAREX Co-Investigator
gerry@cs.tamu.edu * A little radio that lets kids talk
gcreager@gothamcity.jsc.nasa.gov * to astronauts, and smile

From klarson@access.digex.net Wed Apr 05 21:07:50 1995
Received: from access3.digex.net (access3.digex.net [164.109.10.6]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id VAA20443 for
<aprssig@tapr.org>; Wed, 5 Apr 1995 21:07:46 -0500
Received: by access3.digex.net id AA03453
(5.67b8/IDA-1.5 for aprssig@tapr.org); Wed, 5 Apr 1995 22:07:42 -0400
Message-Id: <199504060207.AA03453@access3.digex.net>
Date: Wed, 05 Apr 95 22:07:24 EDT
From: klarson@access.digex.net (Kent Larson)
Reply-To: klarson@access.digex.net (Kent Larson)
To: aprssig@tapr.org
X-Mailer: PMMail (v1.05 UNREGISTERED SHAREWARE)
Subject: Re: [APRSSIG:649] Re: Frequency Coordination

On Wed, 5 Apr 1995 20:32:01 -0500 Gerry Creager wrote:

>Kent Larson sez:

>>

>> Could you fill me in on Tekk radios? Have never heard of them. Are they
>> 440 only or can they do 2m? Crystal? How much? Where?

>

>The Tekk Radios (Tekk, KC Mo.) are 2 watt, UHF crystal controlled data radios
>that look like they were implemented pretty much from a Motorola databook.

>They are NOT designed for an intense RF environment, like a repeater site,
>without some work: The front end is NOT up to the drill. They are reliable,
>inexpensive (~\$110-120, small quantities). They come available with one
>frequency on ham bands, but for the life of me I cannot recall what it is. If
>memory serves they'll change freq's for about \$15.00, since THEY have to order
>crystals.

That is very interesting. We, me and several others, would be interested in putting them in trackers but we want to stay on 145.79 for now. I have been looking for the MFJ data radio but they are advertizing but not delivering. I wonder if anyone has found a source for the MFJ 5 watt data radios?

>
>They can supply you with a teech manual, which is pretty good, all things
>considered.
>
>Construction is pretty good, with a lot of SMT and some reasonable
>heatsinking.
>
>I've had little trouble doing 9600 baud right out of the box, but some others
>recommend a filter change for improved performance. I'd say the radios are
>right on the hairy edge of 9600 performance.
>
>I guess I need to dig up the phone number, and I'll try to do that over the
>next couple of days. It's in a pile of paper upstairs, and I have to
>troubleshoot some hardware first :-)

That's okay Gerry, don't go to the trouble for me since I want to stay with 2m. Anyway, I spent 37 years in KC, Mo so I think I can have someone check it out for me. :)

Thanks a lot for the info!

Kent

Kent Larson - klarson@access.digex.net

From muwew2@uxa.ecn.bgu.edu Wed Apr 05 23:30:43 1995

Received: from fsa.ecn.bgu.edu (fsa.ecn.bgu.edu [143.43.33.204]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id XAA20708 for <aprssig@tapr.org>; Wed, 5 Apr 1995 23:30:40 -0500

Received: from ecom3.ecn.bgu.edu by fsa.ecn.bgu.edu with SMTP id AA13629 (5.67a/IDA-1.5 for <aprssig@tapr.org>); Wed, 5 Apr 1995 23:30:05 -0500

Received: by ecom3.ecn.bgu.edu id AA21068

(5.67a/IDA-1.5 for <aprssig@tapr.org>); Wed, 5 Apr 1995 23:29:31 -0500

Date: Wed, 5 Apr 1995 23:29:30 -0500 (CDT)

From: William E Woomeer <muwew2@uxa.ecn.bgu.edu>

Subject: Re:need help with pk-12

To: aprssig@tapr.org

Message-Id: <Pine.3.89.9504052341.A19186-0100000@ecom3.ecn.bgu.edu>

Mime-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Solved!

This may be a little wierd but acting on the advice I got about making sure mdigi was on, and bbsmsgs off, I fired up 6.7b and checked in dumb terminal mode what the settings were. I found that mdigi was already on and bbsmsgs was already OFF. Just for grins, I turned bbsmsgs ON....and the program works like a champ! This particular pk-12 has version 7.0 firmware, sn# 959. Hope that helps and thanks for all who responded!

**** Bill Woomer ****

* Internet: muwew2@uxa.ecn.bgu.edu

* Amateur Radio: N2THO @ AG9Y.#WCIL.IL.USA.NA

* Lost in the middle of "forgottonia" (those who've been there, know)

From janderson@ram.net Thu Apr 06 08:53:35 1995

Received: from ram.net (ram.net [199.97.216.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id IAA22507 for <aprssig@tapr.org>; Thu, 6 Apr 1995 08:53:31 -0500

Received: by ram.net (5.65/1.3-eef)

id AA03390; Thu, 6 Apr 95 09:53:34 -0400

From: janderson@ram.net (Jack Anderson)

To: aprssig@tapr.org

Subject: Re: [APRSSIG:650] Re: Frequency Coordination

Date: Thu, 06 Apr 95 09:53:22 GMT

Message-Id: <15021591.0a6b@ram.net>

Version: RAMail 2.8n

Location: TYSON'S CORNER (2712) MCLEAN, VA

>That is very interesting. We, me and several others, would be
>interested in putting them in trackers but we want to stay on 145.79
>for now. I have been looking for the MFJ data radio but they are
>advertizing but not delivering. I wonder if anyone has found a source
>for the MFJ 5 watt data radios?

I just noticed that Radio Shack is selling their 2m HT for \$189 - so, for \$90 more than the MFJ you can get a frequency agile 5W radio with a great rx front end. Tempting...

From seront@seism1.ess.sunysb.edu Thu Apr 06 09:25:15 1995

Received: from CCMail.SUNYSB.EDU (ccmail.sunysb.edu [129.49.1.103]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id JAA22739 for <aprssig@tapr.org>; Thu, 6 Apr 1995 09:25:10 -0500

Received: from seism1.ess.sunysb.edu by ccmail.sunysb.edu (PMDF V4.3-7 #5424) id <01HP0KA63DB4R93UWN@ccmail.sunysb.edu>; Thu, 6 Apr 1995 10:25:04 EDT

Received: from corto (corto.ess.sunysb.edu)

by seism1.ess.sunysb.edu (4.1/SMI-4.1) id AA02272; Thu, 6 Apr 95 10:24:23 EDT

Date: Thu, 06 Apr 1995 10:25:55 -0500

From: seront@seism1.ess.sunysb.edu (Bernard Seront)

Subject: Garmin to PC, GPS newsgroup
X-Sender: seront@seism1.ess.sunysb.edu
To: aprssig@tapr.org
Message-id: <9504061424.AA02272@seism1.ess.sunysb.edu>
MIME-version: 1.0
X-Mailer: <PC Eudora Version 1.4>
Content-type: text/plain; charset="us-ascii"
Content-transfer-encoding: 7BIT

Hi,

sci.geo.satellite-nav is a newsgroup related to satellite navigation, mainly GPS.

I found these posts that can be of interest for garmin's owners:

>Newsgroups: sci.geo.satellite-nav,rec.boats
>From: mike@pizza.demon.co.uk (Mike Montgomery)
>
>Subject: Garmin to PC
>
>
>I have just uploaded a file called gardown.zip to ftp.ronin.com
>This program will download all the waypoints for a garmin GPS
>to a IMB PC. Its is a beta version if there is enough response
>I will take it further to allow both down & up loading of
>waypoints routes ect. If anyone can't download from ronin.com
>please email and I will email it back to you.
>
>Mike Montgomery email mike@pizza.demon.co.uk

>Hi I have just uploaded my new Gardown program to FTP:ronin.com &
>ftp:Sandae.triumf.ca/pub/peter. The program will now download
>Routes, Waypoints & Tracks to the pc from the garmin GPS. At the moment
>It will only do this on COM1 & in datum WGS84.
>
>--
>MIKE MONTGOMERY

Bernard, KB2TGH

From JKANDEL@umiami.ir.miami.edu Thu Apr 06 09:46:55 1995
Received: from stimpy.ir.miami.edu (stimpy.ir.miami.edu [129.171.32.32]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id JAA23532 for
<aprssig@tapr.org>; Thu, 6 Apr 1995 09:46:51 -0500
From: JKANDEL@umiami.ir.miami.edu
Received: from umiami.ir.miami.edu by umiami.ir.miami.edu (PMDf V4.3-13 #7207)
id <01HP0KRW30MSA252EZ@umiami.ir.miami.edu>; Thu,
06 Apr 1995 10:46:32 -0400 (EDT)
Date: Thu, 06 Apr 1995 10:46:32 -0400 (EDT)
Subject: Re: [APRSSIG:456] Re: HELLLLPPP!!!! SKYWARN/WX
To: aprssig@tapr.org
Message-id: <01HP0KRW30MUA252EZ@umiami.ir.miami.edu>

X-Envelope-to: aprssig@tapr.org
X-VMS-To: IN%"aprssig@tapr.org"
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII
Content-transfer-encoding: 7BIT

Hi this is Joel, KI4T. I read Steve's reply to you and just wanted to clarify a couple of things reference the use of APRS at the National Hurricane Center. We will be using APRS to bring weather data INTO the center, rather than using APRS to send weather info out. There are plenty of outlets for that. But we found that weather data from boaters in the Caribbean have been very helpful to the forecasters. Of course we have to convince the boaters to automate their weather reporting through APRS, but that will come. If they know they will have access to other weather reports from the surrounding area, it will definitely be to their advantage to do so.

>From an Emergency Preparedness standpoint, it will be very useful to have APRS in a community. Here in S Florida, we know what happens when all the street signs and landmarks disappear. APRS will be extremely useful in getting teams around an affected area where maps have become scarce or useless.

We are trying to put digis on hospitals. The hospitals are paying for them against the time when they will have to be found by GPS. At the same time it gives the amateur community a great APRS network.

I hope this idea catches on elsewhere around the country.

73,

Joel Kandel, KI4T

jkandel@gate.com

From JKANDEL@umiami.ir.miami.edu Thu Apr 06 09:49:22 1995

Received: from stimp.y.ir.miami.edu (stimp.y.ir.miami.edu [129.171.32.32]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id JAA23546 for

<aprssig@tapr.org>; Thu, 6 Apr 1995 09:49:19 -0500

From: JKANDEL@umiami.ir.miami.edu

Received: from umiami.ir.miami.edu by umiami.ir.miami.edu (PMDF V4.3-13 #7207) id <01HP0L2BBZY2A252EZ@umiami.ir.miami.edu>; Thu,

06 Apr 1995 10:49:13 -0400 (EDT)

Date: Thu, 06 Apr 1995 10:49:13 -0400 (EDT)

Subject: Re: [APRSSIG:459] Where's everyone?

To: aprssig@tapr.org

Message-id: <01HP0L2BBZY4A252EZ@umiami.ir.miami.edu>

X-Envelope-to: aprssig@tapr.org

X-VMS-To: IN%"aprssig@tapr.org"

MIME-version: 1.0

Content-type: TEXT/PLAIN; CHARSET=US-ASCII

Content-transfer-encoding: 7BIT

I think it's a big mistake to use other than 145.790 for APRS. It's a simple standard that ought to be accommodated all over the country so that disaster teams coming into an area don't have to second guess where everyone is.

Joel, KI4T

From POSTMSTR@SSWP.HCC.COM Thu Apr 06 09:54:32 1995

Received: from gatekeeper.hcc.com (gatekeeper.hcc.com [148.163.104.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id JAA23609 for

<aprssig@tapr.org>; Thu, 6 Apr 1995 09:54:18 -0500

Received: by gatekeeper.hcc.com (5.65/jj-092193);
id AA12559; Thu, 6 Apr 95 10:54:10 -0400
Received: by mailgate.bridgewater.ne.hcc.com (5.65/ejc-092393< Who Loves Class M
Planets>);
id AA08130; Thu, 6 Apr 1995 10:54:09 -0400
Received: from ahcenter.bridgewater.ne.hcc.com by diogenes.bridgewater.ne.hcc.com
with SMTP
(1.38.193.4/16.2) id AA22494; Thu, 6 Apr 95 10:48:23 -0400
Received: by SSWP.HCC.COM
(Soft*Switch Central V4L380P6) id 882551100095096FSSWP;
06 Apr 1995 10:51:10 GMT
Message-Id: <SSWP.POSTMSTR.882551100095096FSSWP@HCC.COM>
Date: 06 Apr 1995 10:51:10 GMT
From: "Postmaster" <POSTMSTR@SSWP.HCC.COM>
Subject: DISTRIBUTION STATUS
To: aprssig@tapr.org
Comment: MEMO 04.06.95 10.51

SMTP.APRSSIG DISTRIBUTION STATUS INFORMATION 04/06/95 10:50:53
=====

DISTRIBUTION ID: SMTP.APRSSIG.9930
SUBJECT : .APRSSIG:653. Garmin to PC, GPS newsgro
DATE SENT : 04/06/95 TIME SENT: 10:49:00
=====

YOUR MAIL WAS NOT DELIVERED FOR THE FOLLOWING REASON:

SNADS STATUS : 000C
EXPLANATION : SNADS REQUEST PURGED

=====

RECIPIENT : AMGDAL.HUGHES1
LAST NAME : HUGHES
FIRST NAME : PATRICK
MIDDLE INITIAL :
INITIALS : M
NATIVE NAME : AMG/AMGDAL/HUGHES1
COUNTRY : US
ADMD : TELEMAL
PRMD : HOECHST
ORGANIZATION :
ORG UNIT 1 :
ORG UNIT 2 :
ORG UNIT 3 :
ORG UNIT 4 :
DDA :
TITLE : APP RES MGR
DESCRIPTION :
USERDATA :

3089 YA0870147161HUGHES HUGHES1
 PATRICK

M 4 CG-HQS-DALLAS UNITED STATES L
TELEPHONE : 8883807

From ke6jgn@garlic.com Thu Apr 06 13:53:32 1995
Received: from garlic.com (garlic.com [165.227.35.130]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id NAA24079 for
<aprssig@tapr.org>; Thu, 6 Apr 1995 13:53:23 -0500
Received: by garlic.com (AIX 3.2/UCB 5.64/4.03)
id AA26646; Thu, 6 Apr 1995 08:33:45 -0700
Date: Thu, 6 Apr 1995 08:33:45 -0700
From: ke6jgn@garlic.com (Brent Bolen)
Message-Id: <9504061533.AA26646@garlic.com>
To: aprssig@tapr.org
Subject: Getting GPS to work

Help,

I have entered my validation numbers, and connected my GPS, but I don't see my position on the display. I enter O-C-G, and see the NMEA strings coming in, so the port and baud rate are right. I looked at the data coming from the GPS and it is: \$GPRMC,151156.75,A,3723.707,N,12202.272,W,00.0,0.0,060495,15.6,E*42 followed by a LF and a CR. To my untrained eye, everything looks OK, anyone have an idea what I am doing wrong?

Brent (ke6jgn@garlic.com)

From George.Henry@f668.n115.z1.fidonet.org Thu Apr 06 17:45:47 1995
Received: from kitten.mcs.com (Kitten.mcs.com [192.160.127.90]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id RAA00452 for
<aprssig@tapr.org>; Thu, 6 Apr 1995 17:45:41 -0500
Received: from mailbox.mcs.com (Mailbox.mcs.com [192.160.127.87]) by
kitten.mcs.com (8.6.10/8.6.9) with SMTP id QAA21685 for <aprssig@tapr.org>; Thu, 6 Apr 1995 16:45:36 -0500
Received: by mailbox.mcs.com (/\/==/\ Smail3.1.28.1 #28.5)
id <m0rwzE0-000jrDC@mailbox.mcs.com>; Thu, 6 Apr 95 16:36 CDT
Received: by chigate.fidonet.org (0.99.950303)
id AA01563; 06 Apr 95 15:30:21 -0600
From: George.Henry@f668.n115.z1.fidonet.org (George Henry)
Date: 06 Apr 95 12:39:17 -0600
Subject: APRS for the BayPac???
Message-ID: <c61_9504061530@chigate.fidonet.org>
Organization: Chicago Internet <-> Fidonet Gateway [@chigate.fidonet.org]
To: aprssig@tapr.org

Attn Bob Bruniga, WB4APR

Do you have any plans to release a version of APRS which will work with the BayPac packet modem? There are hundreds, or even thousands of us BayPac owners who would love to get on APRS if the software supported us.....

It should be a relatively simple matter to add support of a vector hook to 0x60 for a driver such as AX25DR.COM, which many of us BayPac users use for KA9Q NOS.

At least 4 other hams in the Chicago area that I know of would be happy to beta test for you.....

Since I cannot, due to gateway restrictions, subscribe to this list, please reply directly by fido to node 1:115/668, or by internet to george.henry@f668.n115.z1.fidonet.org.

Thank you!

George Henry, KA3HSW
Sysop, KA3HSW Ham BBS
Wheaton, IL

From edwardwr@interaccess.com Thu Apr 06 18:02:54 1995
Received: from home.interaccess.com (home.interaccess.com [198.80.0.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id SAA00533 for aprssig@tapr.org; Thu, 6 Apr 1995 18:02:49 -0500
Received: from d27.net.interaccess.com (d27.net.interaccess.com [199.79.208.27]) by home.interaccess.com (8.6.11/8.6.10) with SMTP id RAA25209 for aprssig@tapr.org; Thu, 6 Apr 1995 17:03:15 -0500
Message-Id: <199504062203.RAA25209@home.interaccess.com>
X-Sender: edwardwr@pop.interaccess.com (Unverified)
X-Mailer: Windows Eudora Version 1.4.4
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Thu, 06 Apr 1995 12:03:32 -0500
To: aprssig@tapr.org
From: edwardwr@interaccess.com (Edward W Rogers)
Subject: Re: [APRSSIG:647] Chicago area activity????

>Hi all. I'm new to this list so I'm not sure if this has been answered
>before. I was wondering if anyone knows if there is any APRS activity in the
>Chicago area?

>

>

> Thanks,
> Aaron

>---

>This is my signature. There are many like it, but this one is mine.

>

>

Aaron,

You bet there is APRS activity in the Chicago metro area. On 145.79 we have several WIDE digi's (including one downtown at 650' AGL) an active HF gate and at least 3 dedicated full time WX stations. We are seeing as far west as Iowa (Quad City area) south to the Illinois river and into NW Ind.

There is an active APRS support group formed and we meet on the 4th Sat of the month, 10 AM, location varies. We support both MAC and DOS versions and have several folks out running with GPS/mobile units. If your interested in more info E-mail me direct at edwardwr@interaccess.com.

Ed
N9LCI

```
*****  
* all ignorance toboggans into know *  
*      e.e. cummings                  *  
*****
```

From fjorozco@academ01.mty.itesm.mx Thu Apr 06 18:12:07 1995
Received: from academ01.mty.itesm.mx (academ01.mty.itesm.mx [131.178.4.10]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id SAA00590 for <aprssig@tapr.org>; Thu, 6 Apr 1995 18:12:03 -0500
Received: (from fjorozco@localhost) by academ01.mty.itesm.mx (8.6.9/8.6.9) id QAA32637; Thu, 6 Apr 1995 16:12:00 -0600
Date: Thu, 6 Apr 1995 16:12:00 -0600 (CST)
From: N5UHB <fjorozco@academ01.mty.itesm.mx>
To: ARPS mailing list <aprssig@tapr.org>
Subject: 67to67b.zip ?
Message-ID: <Pine.A32.3.91.950406161004.212800A-100000@academ01.mty.itesm.mx>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I came across this file when downloading my first copy of aprs67 (yep, I'm a newby to this business), is 67to67b.zip a new stand-alone version of aprs or is it an add-on upgrade?

Luis F. Orozco N5UHB XE2??? coming next week!!!

Life's Golden Rule: "Whoever's got the gold makes the rules."

From fjorozco@academ01.mty.itesm.mx Thu Apr 06 18:20:40 1995
Received: from academ01.mty.itesm.mx (academ01.mty.itesm.mx [131.178.4.10]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id SAA00728 for <aprssig@tapr.org>; Thu, 6 Apr 1995 18:20:36 -0500
Received: (from fjorozco@localhost) by academ01.mty.itesm.mx (8.6.9/8.6.9) id QAA127388; Thu, 6 Apr 1995 16:20:34 -0600
Date: Thu, 6 Apr 1995 16:20:33 -0600 (CST)
From: N5UHB <fjorozco@academ01.mty.itesm.mx>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:658] APRS for the BayPac???
In-Reply-To: <c61_9504061530@chigate.fidonet.org>
Message-ID: <Pine.A32.3.91.950406161928.239132A-100000@academ01.mty.itesm.mx>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 6 Apr 1995, George Henry wrote:

> At least 4 other hams in the Chicago area that I know

> of would be happy to beta test for you.....

Hey, I'm in Monterrey, Mexico, and I also run baypak, I'd be more than glad to beta test for you too! :)

From bruninga@greatlakes.nadn.navy.mil Thu Apr 06 19:35:57 1995

Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id TAA01008 for
<aprssig@tapr.org>; Thu, 6 Apr 1995 19:35:53 -0500

Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)

id AA05340; Thu, 6 Apr 95 19:35:08 EDT

Date: Thu, 6 Apr 1995 19:35:07 -0400 (EDT)

From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>

To: aprssig@tapr.org

Subject: And another BETA68y !

Message-Id: <Pine.SUN.3.91.950406193058.5309A-1000000@greatlakes.nadn.navy.mil>

Mime-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

The fixes in BETA68x apparently fixed the HSP problems but introduced a DUAL-PORT GPS problem. It caused other stations to USURP your stations position in the P-list! That report came in just in the nick of time!

So BETA68y is now posted on ARN BBS 410 280-2503

Do not bother getting it UNLESS YOU are running GPS!

If you are running GPS, please do, and feedback any probs ASAP. TNX...

It may still be in the upload directory if it has not yet gotten to the APRS directory...

From bruninga@greatlakes.nadn.navy.mil Thu Apr 06 19:43:17 1995

Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id TAA01117 for
<aprssig@tapr.org>; Thu, 6 Apr 1995 19:43:05 -0500

Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)

id AA05364; Thu, 6 Apr 95 19:42:18 EDT

Date: Thu, 6 Apr 1995 19:42:17 -0400 (EDT)

From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>

To: aprssig@tapr.org

Subject: Re: [APRSSIG:657] Getting GPS to work

In-Reply-To: <9504061533.AA26646@garlic.com>

Message-Id: <Pine.SUN.3.91.950406194028.5309C-1000000@greatlakes.nadn.navy.mil>

Mime-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 6 Apr 1995, Brent Bolen wrote:

> Help,

> I have entered my validation numbers, and connected my GPS, but I don't see my
> position on the display. I enter O-C-G, and see the NMEA strings coming in,
> followed by a LF and a CR. To my untrained eye, everything looks OK, anyone
> have an idea what I am doing wrong?

Welcome to version 6.5 or later! I am working on a fix. Everything after 6.5 DOES NOT WORK with RMC. Just heard about this YESTERDAY!

Fix will be posted by 7 April. Beta test BETA68y.zip is on the 410-280-2503 BBS now...
SORRY!

From DHBRYANT@aol.com Thu Apr 06 20:10:45 1995
Received: from mail06.mail.aol.com (mail06.mail.aol.com [152.163.172.108]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id UAA01278 for <aprssig@tapr.org>; Thu, 6 Apr 1995 20:10:43 -0500
From: DHBRYANT@aol.com
Received: by mail06.mail.aol.com
(1.37.109.11/16.2) id AA132663436; Thu, 6 Apr 1995 20:10:36 -0400
Date: Thu, 6 Apr 1995 20:10:36 -0400
Message-Id: <950406201032_74429759@aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:647] Chicago are...

Aaron, flip your radio to 145.790 and watch your screen light up over any weekend.

From Callldrin@aol.com Thu Apr 06 23:38:42 1995
Received: from mail06.mail.aol.com (mail06.mail.aol.com [152.163.172.108]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id XAA02011 for <aprssig@tapr.org>; Thu, 6 Apr 1995 23:38:40 -0500
From: Callldrin@aol.com
Received: by mail06.mail.aol.com
(1.37.109.11/16.2) id AA125305914; Thu, 6 Apr 1995 23:38:34 -0400
Date: Thu, 6 Apr 1995 23:38:34 -0400
Message-Id: <950406233831_74694331@aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:626] KAM Plus HF...

Brad, don;t know how to get a msg. to you. So I'm trying to use the "reply" feature in AOL to see if this works.

So long for now.

73 and CUL Chuck KN6KS

callldrin@aol.com

From rberger@metronet.com Thu Apr 06 23:49:15 1995
Received: from metronet.com (feenix.metronet.com [192.245.137.1]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id XAA02042 for <aprssig@tapr.org>; Thu, 6 Apr 1995 23:49:12 -0500
Received: from net45.metronet.com by metronet.com with SMTP id AA01279
(5.67a/IDA1.5hp for <aprssig@tapr.org>); Thu, 6 Apr 1995 22:49:00 -0500
Message-Id: <199504070349.AA01279@metronet.com>
X-Sender: rberger@metronet.com
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Date: Thu, 06 Apr 1995 22:53:44 -0500
To: aprssig@tapr.org
From: rberger@metronet.com (Randall Berger)
Subject: Re: [APRSSIG:621] Texas frequencies.. Check again
X-Mailer: <PC Eudora Version 1.4>

>I have been a member of the Texas VHF-FM Society and AMSAT
>for over two years and I have looked at the frequencies
>supplied by each organization.

>
>This is all I could find.

>
>Texas frequencies

>
>145.775 New AMSAT Los Angeles Wed 0400z CA FM Simplex
>145.790 Link W.Texas Connection WTC/LNX San Antonio TX FM Simplex
>145.790 #####
>145.800 Satellite Sub-band start 145.800 to 146.00
> Oscar-13 beacon is 145.812

>-----
>445.250 Link SW-texas Lynx System LNK Abilene TX FM Simplex
>445.250 TV Cable Ch YY
>445.925 #####
>446.000 Texas R.A.C.E.S. Emg Nets TEXAS FM

>
>I have not received any signals in Dallas, APRS or other wise on 145.79

>
Check now.... I have my KAM on 145.79 and 10.151 in the DFW area. I also
have my S-10 Blazer running 145.79 with KPC-3 and Trimble GPS.

>Bob Winingham KC5EJK Dallas TX @EM12ot]

>
>
>
Regards,

Randy Berger

=====
Randy Berger (WA0D) E-Mail: rberger@metronet.com
Grapevine, TX
rberger@corp.adaptec.com

From gerry@cs.tamu.edu Fri Apr 07 00:16:24 1995
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id AAA03240 for
<aprssig@tapr.org>; Fri, 7 Apr 1995 00:16:21 -0500
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by
cs.tamu.edu (8.6.10/8.6.4) with ESMTP id XAA06504 for <aprssig@tapr.org>; Thu, 6
Apr 1995 23:16:14 -0500

From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id XAA09441 for aprssig@tapr.org; Thu, 6 Apr 1995 23:16:08 -0500
Message-Id: <199504070416.XAA09441@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:655] Re: Where's everyone?
To: aprssig@tapr.org
Date: Thu, 6 Apr 1995 23:16:07 -0500 (CDT)
In-Reply-To: <01HP0L2BBZY4A252EZ@umiami.ir.miami.edu> from "JKANDEL@umiami.ir.miami.edu" at Apr 6, 95 10:04:05 am
X-Mailer: ELM [version 2.4 PL23]
Content-Type: text
Content-Length: 1076

JKANDEL@umiami.ir.miami.edu sez:

>

> I think it's a big mistake to use other than 145.790 for APRS. It's a simple
> standard that ought to be accomodated all over the country so that disaster
> teams coming into an area don;t have to second guess where everyone is.

I really hate to sound pendantic, but while it might be a good idea to have one coordinated nationwide frequency FOR THIS ONE LITTLE APPLICATION, it was not ever, ever pre-coordinated with any of the real frequency coordinating bodies. They have to deal with repeaters here, there and everywhere, packet operations that don't conform to the packet-allocated frequencies, demands for more repeater space from frustrated trustee-wannabes, complaints of interference from frustrated trustees, and interfacing with the next coordinating body or bodies that adjoin their service area who might just have to work within a different bandplan!

Before publicizing 145.79 for APRS, some legwork beyond the ARRL's poorly considered attempt at a bandplan should have been consulted.

<off-soapbox>

73, gerry N5JXS

From Callldrin@aol.com Fri Apr 07 00:32:52 1995
Received: from mail06.mail.aol.com (mail06.mail.aol.com [152.163.172.108]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id AAA03302 for <aprssig@tapr.org>; Fri, 7 Apr 1995 00:32:49 -0500
From: Callldrin@aol.com
Received: by mail06.mail.aol.com
(1.37.109.11/16.2) id AA028249164; Fri, 7 Apr 1995 00:32:44 -0400
Date: Fri, 7 Apr 1995 00:32:44 -0400
Message-Id: <950407003243_74753221@aol.com>
To: aprssig@tapr.org
Subject: OS-2 Warp

I would like to know if any one has experience with OS-2 Warp.
Does APRS run in the background? If so what version?
Have any problems developed?
I've been running APRS 62b with fair success in Windows 2.11

Any coments, anyone?

Chuck KN6JS

callldrin@aol.com

From Callldrin@aol.com Fri Apr 07 01:05:40 1995
Received: from mail06.mail.aol.com (mail06.mail.aol.com [152.163.172.108]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id BAA03381 for <aprssig@tapr.org>; Fri, 7 Apr 1995 01:05:37 -0500
From: Callldrin@aol.com
Received: by mail06.mail.aol.com (1.37.109.11/16.2) id AA121111131; Fri, 7 Apr 1995 01:05:31 -0400
Date: Fri, 7 Apr 1995 01:05:31 -0400
Message-Id: <950407010530_74783303@aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:668] OS-2 Warp

Correction.. The version of windows I'm using is 3.11 not 2.11

Thanks ot Brad at brad@ecst.csuchico.edu for keeping me humble. (hey I knew what I ment!)

Chuck
callldrin@aol.com

From hschu@sunrise.e-technik.uni-ulm.de Fri Apr 07 01:58:26 1995
Received: from sunrise.e-technik.uni-ulm.de (sunrise.e-technik.uni-ulm.de [134.60.21.34]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id BAA03549 for <aprssig@tapr.org>; Fri, 7 Apr 1995 01:58:22 -0500
Received: by sunrise.e-technik.uni-ulm.de (4.1/UniUlm-1.1m) id AA29735; Fri, 7 Apr 95 07:58:06 +0200
From: hschu@sunrise.e-technik.uni-ulm.de (Hermann Schumacher)
Message-Id: <9504070558.AA29735@sunrise.e-technik.uni-ulm.de>
Subject: Re: [APRSSIG:658] APRS for the BayPac???
To: aprssig@tapr.org
Date: Fri, 7 Apr 95 7:58:05 MET DST
In-Reply-To: <c61_9504061530@chigate.fidonet.org>; from "George Henry" at Apr 6, 95 5:55 pm
X-Mailer: ELM [version 2.3 PL11]

george.henry@f668.n115.z1.fidonet.org wrote:

>
> Attn Bob Bruniga, WB4APR
>
> Do you have any plans to release a version of APRS which will work with the
> BayPac packet modem? There are hundreds, or even thousands of us BayPac
> owners who would love to get on APRS if the software supported us.....
>

Bob,
I'd like to second that request. Here in Europe, BayPac or Baycom modems have probably even more followers than in the US. Particularly for my students, it is simply the cheapest way to get on Packet.

I know this is no simple task, but maybe there is someone out there with Baycom interfacing experience who could help out.

Thanks in advance,

73 from Ulm,

Hermann

--

Hermann Schumacher | hschu@ebs.e-technik.uni-ulm.de
Dept. of Electron Devices and Circuits |
University of Ulm, | office: +49 731 502-6152
D-89069 Ulm, Germany | FAX: +49 731 502-6155

Help fight leukemia - we're closing in on a killer!

From mwalker@interlog.com Fri Apr 07 08:08:56 1995
Received: from gold.interlog.com (gold.interlog.com [198.53.145.2]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id IAA04124 for
<aprssig@tapr.org>; Fri, 7 Apr 1995 08:08:52 -0500
Received: from interlog.com (mwalker.interlog.com [199.212.152.131]) by
gold.interlog.com (8.6.9/8.6.9) with SMTP id IAA06364 for <aprssig@tapr.org>;
Fri, 7 Apr 1995 08:08:39 -0400
Message-Id: <199504071208.IAA06364@gold.interlog.com>
Date: Fri, 07 Apr 95 08:07:26 EDT
From: mwalker@interlog.com (Mike Walker)
Reply-To: mwalker@interlog.com (Mike Walker)
To: aprssig@tapr.org
X-Mailer: PMMail (v1.05 UNREGISTERED SHAREWARE)
Subject: Re: [APRSSIG:668] OS-2 Warp

On Fri, 7 Apr 1995 00:38:48 -0500 you wrote:

>I would like to know if any one has experience with OS-2 Warp.
>Does APRS run in the background? If so what version?
>Have any problems developed?
>I've been running APRS 62b with fair success in Windows 2.11
>
>Any coments, anyone?
>
>Chuck KN6JS
>
>callldrin@aol.com
>

Chuck,

I have been running it with warp for sometime now. I only use VGA
(since I have a com port conflict between com4 and the ATI SVGA card).

I usually run it in a dos full screen mode and leave it displayed
when I'm not doing anything else. Make sure you are not sharing
interrupts with the com ports (ie, if you are using 4 com ports, that
they all have unique irq's).

Cheers...mike

Mike Walker
127 High St. W.
Mississauga, ON
L5H 1K4

mwalker@interlog.com
rf: va3mw@va3bbs

From gerry@cs.tamu.edu Fri Apr 07 08:27:30 1995
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id IAA04227 for
<aprssig@tapr.org>; Fri, 7 Apr 1995 08:27:28 -0500
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by
cs.tamu.edu (8.6.10/8.6.4) with ESMTP id HAA14389 for <aprssig@tapr.org>; Fri, 7
Apr 1995 07:27:18 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id HAA18284 for
aprssig@tapr.org; Fri, 7 Apr 1995 07:27:14 -0500
Message-Id: <199504071227.HAA18284@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:668] OS-2 Warp
To: aprssig@tapr.org
Date: Fri, 7 Apr 1995 07:27:13 -0500 (CDT)
In-Reply-To: <950407003243_74753221@aol.com> from "Callldrin@aol.com" at Apr 7, 95
00:39:45 am
X-Mailer: ELM [version 2.4 PL23]
Content-Type: text
Content-Length: 743

Callldrin@aol.com sez:

>
> I would like to know if any one has experience with OS-2 Warp.
> Does APRS run in the background? If so what version?
> Have any problems developed?
> I've been running APRS 62b with fair success in Windows 2.11

I've run it succesfully on OS/2 V3 (Warp) for Windoze, and on the full
implementationpackage. The full implementation package works better than Warp
for Windoze, because, I suspect, Windoze has its own set of overhead and
problems.

I have not refined it to run in a seamless window in OS/2 just yet, but
invoking a full-screen DOS session and doing it works fine. For the record,
I've spent a lot of time trying to optimize parameters, and suspect I've
over-configured it a little.

73, gerry N5JXS

From gerry@cs.tamu.edu Fri Apr 07 08:34:27 1995
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id IAA04247 for
<aprssig@tapr.org>; Fri, 7 Apr 1995 08:34:25 -0500
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by
cs.tamu.edu (8.6.10/8.6.4) with ESMTP id HAA14460 for <aprssig@tapr.org>; Fri, 7
Apr 1995 07:34:15 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id HAA18370 for

aprssig@tapr.org; Fri, 7 Apr 1995 07:34:12 -0500
Message-Id: <199504071234.HAA18370@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:671] Re: OS-2 Warp
To: aprssig@tapr.org
Date: Fri, 7 Apr 1995 07:34:11 -0500 (CDT)
In-Reply-To: <199504071208.IAA06364@gold.interlog.com> from "Mike Walker" at Apr
7, 95 08:21:20 am
X-Mailer: ELM [version 2.4 PL23]
Content-Type: text
Content-Length: 664

Mike Walker sez:

>
> I have been running it with warp for sometime now. I only use VGA
> (since I have a com port conflict between com4 and the ATI SVGA card).
> I usually run it in a dos full screen mode and leave it displayed
> when I'm not doing anything else. Make sure you are not sharing
> interrupts with the com ports (ie, if you are using 4 com ports, that
> they all have unique irq's).

I use the STB-4-port card, which gives you a pretty good selection of
addresses and IRQs for each port. I've 4 ports available and no port or IRQ
conflicts with anything.

Since OS/2 does not share IRqs gracefully, this is outstanding advice.

73, gerry N5JXS

From janderson@ram.net Fri Apr 07 09:42:44 1995
Received: from ram.net (ram.net [199.97.216.2]) by dingus.n5lyt.datarace.com
(8.6.10/8.6.9) with SMTP id JAA04653 for <aprssig@tapr.org>; Fri, 7 Apr 1995
09:42:34 -0500
Received: by ram.net (5.65/1.3-eef)
id AA02847; Fri, 7 Apr 95 09:41:31 -0400
From: janderson@ram.net (Jack Anderson)
To: aprssig@tapr.org
Subject: Re: [APRSSIG:668] OS-2 Warp
Date: Fri, 07 Apr 95 09:42:05 GMT
Message-Id: <15021591.0a74@ram.net>
Version: RAMail 2.8n
Location: WKHK RADIO (1735) CHESTER, VA

>I would like to know if any one has experience with OS-2 Warp.
>Does APRS run in the background? If so what version?
>Have any problems developed?
>I've been running APRS 62b with fair success in Windows 2.11
>
>Any coments, anyone?
>
>Chuck KN6JS
>
>callldrin@aol.com

I've tried it and it worked fine in a DOS box, full screen. APRS is not "multitasker friendly" or "OS/2 aware" though. Expect to see the PULSE meter at the top all the time. It hogs a lot of ticks.

From bruninga@greatlakes.nadn.navy.mil Fri Apr 07 10:27:40 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id KAA04793 for
<aprssig@tapr.org>; Fri, 7 Apr 1995 10:27:35 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA08860; Fri, 7 Apr 95 10:26:38 EDT
Date: Fri, 7 Apr 1995 10:26:37 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: OS-2 Warp and WINDOWS
In-Reply-To: <950407003243_74753221@aol.com>
Message-Id: <Pine.SUN.3.91.950407102310.8633C-100000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 7 Apr 1995 Calldrin@aol.com wrote:

> I would like to know if any one has experience with OS-2 Warp.
> Does APRS run in the background? If so what version?

APR COMMENT: I hope everyone has figured out by now, that I am old and stubborn and this OS-too and WINSLOWS stuff is beyond me... hi hi

If someone that has it all figured out would write a WINDOWS.txt file or an OS-2.txt file, I would be happy to distribute it...

From bruninga@greatlakes.nadn.navy.mil Fri Apr 07 10:36:17 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id KAA04843 for
<aprssig@tapr.org>; Fri, 7 Apr 1995 10:36:11 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA08918; Fri, 7 Apr 95 10:34:58 EDT
Date: Fri, 7 Apr 1995 10:34:57 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:670] Re: APRS for the BayPac???
In-Reply-To: <9504070558.AA29735@sunrise.e-technik.uni-ulm.de>
Message-Id: <Pine.SUN.3.91.950407103124.8633D-100000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 7 Apr 1995, someone wrote:

> > Do you have any plans to release a version of APRS which will work with the
> > BayPac packet modem? There are hundreds, or even thousands of us BayPac

APR REPLY: Im old and stubborn. I would be happy to interface to BAYCOM, if someone smarter than I can tell me how. APRS is written in QUICK BASIC, and I know how to INPUT from a COM port, and PRINT to a COM port. If someone can lay it on a silver platter for me, exactly how to interface to the BAYCOM drivers, ill give it a try...

From W2HOB@aol.com Fri Apr 07 10:55:23 1995
Received: from mail04.mail.aol.com (mail04.mail.aol.com [152.163.172.53]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id KAA04902 for <aprssig@tapr.org>; Fri, 7 Apr 1995 10:55:19 -0500
From: W2HOB@aol.com
Received: by mail04.mail.aol.com
(1.37.109.11/16.2) id AA243766508; Fri, 7 Apr 1995 10:55:09 -0400
Date: Fri, 7 Apr 1995 10:55:09 -0400
Message-Id: <950407105507_75063505@aol.com>
To: aprssig@tapr.org
Subject: Genius NewSketch 1212

Help... My good friend K2ADJ's son, Rob, loaned me a Genius (manuf) NewSketch 1212 graphics tablet. I have/had (!) high hopes of digitizing the entire ARRL section of SNJ (not really) and was quite excited when I was able to borrow the tablet.

I ran the test programs to confirm the tablet was working ok. It will work from COM1: or 2 and will emulate a 1. Summagraphics MM Series, 2. Bit Pad One/CalComp 2000, 3. GTCO Digi-Pad (Type 5), 4. GTCO Digi-Pad (Type 7), 5. Hitachi Tiger.

I compiled the MAPFIXER program and it boots up ok and I'm using it correctly... I think... I read the docs and as far as I can tell, I'm following the procedure but the MAPFIXER doesn't seem to talk to the tablet and/or vice-versa. The MAPFIXER does crash out with an error message but I forgot exactly what it was... I will do it all again if anyone wants that error code. Hitting any key, of course, brings me back out to DOS.

The docs do mention modifications of the .BAS source code depending on some tablet make and models. Might that be necessary here? Is one of those types above gonna work at all? Help! Whatever anyone recommends, I'll do. I've got tons of the USGS 1:24000 7-minutes maps that I'm just itching to make into APRS maps for South Jersey. Thanks to ya'll for reading & helping.

73 de Boyd (w2hob@aol.com)

From girard@panix.com Fri Apr 07 11:24:53 1995
Received: from panix.com (panix.com [198.7.0.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id LAA05323 for <aprssig@tapr.org>; Fri, 7 Apr 1995 11:24:49 -0500
Received: (from girard@localhost) by panix.com (8.6.12/8.6.10+PanixU1.0) id LAA14766; Fri, 7 Apr 1995 11:27:25 -0400
Date: Fri, 7 Apr 1995 11:27:25 -0400 (EDT)
From: Jess Girard <girard@panix.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:667] Re: Where's everyone?
In-Reply-To: <199504070416.XAA09441@solar.cs.tamu.edu>

Message-ID: <Pine.SUN.3.91.950407111342.10750B-100000@panix.com>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Frequency coordination on 2 meters is so confused and testosterone-laden that's it essentially impossible to get anyone to agree what to do. The best advice I've ever heard was ignore all the complaints and do what you want, i.e., put your APRS stations on 5.79. Sounds vicious, but it's effective.

We had a nice 2-meter tcp/ip network going on 144.91 in SW Connecticut for a few years, when along came some DX Packet Cluster guys who decided to set up a Cluster there because we were 'under-utilizing' the frequency. We yelled and screamed for months; they refused to move, so finally we moved... to 5.65 where we got yelled at by folks who used that frequency for long-range fm simplex QSO's. We would not move again. _They_ finally gave up and moved... I don't know where; maybe they got some SSB rigs which they should've done years ago.

Two-meter simplex is a dog-eat-dog place. We should have some nice packet repeaters, but no coordinating group around here will assign a freq. pair for a non-voice application.

Jess ND1L

From Callldrin@aol.com Fri Apr 07 11:38:47 1995

Received: from mail02.mail.aol.com (mail02.mail.aol.com [152.163.172.66]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id LAA05422 for <aprssig@tapr.org>; Fri, 7 Apr 1995 11:38:41 -0500

From: Callldrin@aol.com

Received: by mail02.mail.aol.com

(1.37.109.11/16.2) id AA017308249; Fri, 7 Apr 1995 11:24:09 -0400

Date: Fri, 7 Apr 1995 11:24:09 -0400

Message-Id: <950407112407_75089518@aol.com>

To: aprssig@tapr.org

Subject: Windows 3.11 & APRS

Bob Bruninga,

Just a little update on running APRS in background.

I'm using 62b and have the Windows video driver set to VGA.

It seem to work (in the background) with a limited number of programs.

It works with MS Works, Dynodex, and AOL software.

It doesn't like XTGOLD, or many other DOS based programs.

Seems to like "Windows" based programs better.

Hope this will help you some.

Chuck Allldrin Chico, CA

callldrin@aol.com

PS: still waiting for that slim, trim, lite, version of APRS!

From bruninga@greatlakes.nadn.navy.mil Fri Apr 07 12:40:44 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id MAA05643 for
<aprssig@tapr.org>; Fri, 7 Apr 1995 12:40:37 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA11227; Fri, 7 Apr 95 13:39:51 EDT
Date: Fri, 7 Apr 1995 13:39:51 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: APRS6.8 and stuff
Message-Id: <Pine.SUN.3.91.950407132347.10549C-1000000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Concerning GPS frequencies, I hope that everyone has tried the
APRFREQ.BK file which displays a USA map with all the known (reported)
APRS frequencies. (It used to be called USAFREQS.bk) I welcome any
additions to this map. So far, I havent gotten any new
reports in months... I only want freqs where there are PERMANENT WIDE's
OR at least COORDINATED activity. This map makes an excellent pre-travel
guide....

If you have an input to this map, send it by EMAIL. Just send me in text
format the LAT/LONG and FREQ. These labels are meant to show at the USA
level, so if you have multiple WIDES, we only want ONE report.

Just posted 6.8. Things you will notice (maybe)
* fixed HSP probs due to APRS not storing RMC from its own GPS
* New OPS-DIGI commands
* alt-SETUP-GPS-GGA command for selecting GGA only (gets altitude)
* KAMS no longer get "GATE BITCH" when on VHF side
* MESSAGES now have their own screen! (swapped R and T commands)
* Fixed 43 line 3D altitude display
* RESTORE.TNC is now in APRS\SYSTEM directory. Move yours there.
Gud Luk

From cll4@Ra.MsState.Edu Fri Apr 07 12:47:42 1995
Received: from Tut.MsState.Edu (Tut.MsState.Edu [130.18.80.36]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id MAA05697 for
<aprssig@tapr.org>; Fri, 7 Apr 1995 12:47:39 -0500
Received: from Isis.MsState.Edu (c1l4@Isis.MsState.Edu [130.18.80.11]);
by Tut.MsState.Edu using SMTP (8.6.12/6.5m-FWP);
id LAA21170; Fri, 7 Apr 1995 11:52:23 -0500
Received: (c1l4@localhost);
by Isis.MsState.Edu (8.6.12/6.0c-FWP);
id LAA13850; Fri, 7 Apr 1995 11:52:20 -0500
Date: Fri, 7 Apr 1995 11:52:19 -0500 (CDT)
From: "Craig L. Lindsey" <c1l4@Ra.MsState.Edu>
X-Sender: c1l4@Isis.MsState.Edu

To: aprssig@tapr.org
Subject: Re: [APRSSIG:675] Re: OS-2 Warp and WINDOWS
In-Reply-To: <Pine.SUN.3.91.950407102310.8633C-100000@greatlakes.nadn.navy.mil>
Message-ID: <Pine.SUN.3.91.950407114628.12067B-100000@Isis.MsState.Edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 7 Apr 1995, Robert Bruninga wrote:

> If someone that has it all figured out would write a WINDOWS.txt file or
> an OS-2.txt file, I would be happy to distribute it...

I have it working FB under Windows 3.11, and will try to put together a text file and forward it here.

Craig

Craig Lindsey - KC5AUG | My politics are simple: Always go right. If
Internet: cll4@ra.msstate.edu| you go left, you can never go right, and if
Office Phone : (601)325-8553 | you go right, you never go wrong. -Grizzard
WWW page: <http://www2.msstate.edu/~cll4/>
Finger cll4@ra.msstate.edu for PGP public key.

From bruninga@greatlakes.nadn.navy.mil Fri Apr 07 12:54:31 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id MAA05786 for
<aprssig@tapr.org>; Fri, 7 Apr 1995 12:54:27 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA11343; Fri, 7 Apr 95 13:53:09 EDT
Date: Fri, 7 Apr 1995 13:53:08 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:673] Re: OS-2 Warp
In-Reply-To: <199504071234.HAA18370@solar.cs.tamu.edu>
Message-Id: <Pine.SUN.3.91.950407134010.10549D-100000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I show COW = 02921 with GPS = 911. If that doesnt work, tell me about it
Try COWS = 79414 maybe that will validate?

The ../raw message is supposed to show up after 3 raw posits with an unvalidated user. This was to prevent use of an unvalidated APRS program being used commercially to track dozens of fleet vehicles\ trackers.

If its not working that way, lemme know. No one has reported seeing the message before...

From hschu@sunrise.e-technik.uni-ulm.de Fri Apr 07 18:29:15 1995
Received: from sunrise.e-technik.uni-ulm.de (sunrise.e-technik.uni-ulm.de [134.60.21.34]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id SAA06075 for <aprssig@tapr.org>; Fri, 7 Apr 1995 18:29:03 -0500

Received: by sunrise.e-technik.uni-ulm.de (4.1/UniUlm-1.1m)
id AA02268; Fri, 7 Apr 95 20:57:06 +0200
From: hschu@sunrise.e-technik.uni-ulm.de (Hermann Schumacher)
Message-Id: <9504071857.AA02268@sunrise.e-technik.uni-ulm.de>
Subject: 20m, anyone?
To: aprssig@tapr.org
Date: Fri, 7 Apr 95 20:57:06 MET DST
X-Mailer: ELM [version 2.3 PL11]

Hi APRS fans,
I have been observing the APRS 20m frequency for a while without results.
Anyone out there willing to try it?
Hermann
DF2DR

--

Hermann Schumacher		hschu@ebs.e-technik.uni-ulm.de
Dept. of Electron Devices and Circuits		
University of Ulm,		office: +49 731 502-6152
D-89069 Ulm, Germany		FAX: +49 731 502-6155

Help fight leukemia - we're closing in on a killer!

From BARRETTD@CRPL.CEDAR-RAPIDS.LIB.IA.US Fri Apr 07 18:36:26 1995
Received: from CRPL.CEDAR-RAPIDS.LIB.IA.US (crpl.cedar-rapids.lib.ia.us
[198.134.138.1]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id SAA06120
for <aprssig@tapr.org>; Fri, 7 Apr 1995 18:36:23 -0500
From: BARRETTD@CRPL.CEDAR-RAPIDS.LIB.IA.US
Date: Fri, 7 Apr 1995 14:03:43 -0500 (CDT)
To: aprssig@tapr.org
Message-Id: <950407140343.6c96@CRPL.CEDAR-RAPIDS.LIB.IA.US>
Subject: RE: [APRSSIG:678] Re: Where's everyone?

>Frequency coordination on 2 meters is so confused and testosterone-laden
that'

impossible to get anyone to agree what to do. The
best advice I've ever heard was ignore all the complaints and do what you
want, i.e., put your APRS stations on 5.79.

Sound's nasty alright but seems to be the way of the world! I'd say stick to
579since that seem's to be the majority of APRS usage and let's be realistic
APRS is a much better usage than a bunch of wannies saying nothing on a
repeater. I'm sure I get some flames on this but so be it. APRS decays the
station location over time, has direct Public Safety benefits and is useful for
tracking balloon launches, DFing, Weather reporting, parades, and other events.
If allocation was based on Public Service capabilities it would be no argument.

Feel free to jump in but keep the Flames to a low simmer I can be a sensitive
type and can't afford a shrink to mend my feelings :>

From MikeKE6EGK@aol.com Fri Apr 07 18:38:42 1995
Received: from mail06.mail.aol.com (mail06.mail.aol.com [152.163.172.108]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id SAA06138 for
<aprssig@tapr.org>; Fri, 7 Apr 1995 18:38:36 -0500
From: MikeKE6EGK@aol.com
Received: by mail06.mail.aol.com
(1.37.109.11/16.2) id AA172760365; Fri, 7 Apr 1995 17:32:45 -0400
Date: Fri, 7 Apr 1995 17:32:45 -0400
Message-Id: <950407173244_75518446@aol.com>
To: aprssig@tapr.org
Subject: HP96LX Palmtop

The following is a packet message from a local Ham that has a very good idea
as to miniaturizing his mobile GPS/Packet equipment. Anyone out there have
any ideas?

73 de Mike KE6EGK
AOL MikeKE6EGK
Internet MikeKE6EGK@aol.com

>From : AC6JA
To : APRS@ALLUS
Type/status : BH
Date/time : 30-Mar 21:50
BID (MID) : 14139_KA6EYH
Message # : 79675
Title : APRS ON PALMTOP?

HI THERE.

NAME HERE IS MIKE AND I LIVE IN FOSTER CITY, CALIFORNIA. I WOULD BE
INTERESTED IN HEARING FROM ANYONE WHO HAS SUCCESSFULLY USED THE APRS PROGRAM
ON A PALMTOP COMPUTER. PRESENTLY I HAVE A HEWLETT PACKARD HP95LX AND A KAN-
TRONICS KPC-3 VERSION 6.0 AND A RADIO SHACK HTX-202. I HAVE BEEN ABLE TO USE
THIS SETUP FOR REGULAR PACKET OPERATIONS, BUT I WOULD BE INTERESTED IF THE
APRS PROGRAM WOULD BE CAPABLE OF RUNNING ON THE PALMTOP, MAINLY DUE TO THE
SMALL SIZE OF THE SCREEN (40 X 16) AS OPPOSED TO STANDARD 80 X 25. ANY HELP
WOULD BE GREATLY APPRECIATED.
THANKS!

--- End of message #79675 to APRS from AC6JA ---

From dmedley@dconcepts.com Fri Apr 07 18:45:55 1995
Received: from nova.dconcepts.com (nova.dconcepts.com [165.247.101.20]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id SAA06199 for
<APRSSIG@TAPR.ORG>; Fri, 7 Apr 1995 18:45:52 -0500
From: dmedley@dconcepts.com
Received: from dconcepts.com (bbs@localhost) by nova.dconcepts.com (8.6.5/8.6.5)
with UUCP id JAA05036 for APRSSIG@TAPR.ORG; Fri, 7 Apr 1995 09:01:17 -0700
Received: by dconcepts.com (UUPM-1.50)

id D2457NE Fri, Apr 07, 1995 15:55:42 EDT
Message-Id: <9504071555.D2457NE@dconcepts.com>
X-Mailer: UUPlus Mail 1.50
To: APRSSIG@TAPR.ORG
Subject: Help!!
Organization: Digital Concepts BBS - TELNETable!
Date: Fri, 07 Apr 95 15:55:41 EST

Can somebody please tell me how to unsubscribe to this sig?
From BARRETTD@CRPL.CEDAR-RAPIDS.LIB.IA.US Fri Apr 07 18:53:21 1995
Received: from CRPL.CEDAR-RAPIDS.LIB.IA.US (crpl.cedar-rapids.lib.ia.us
[198.134.138.1]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id SAA06278
for <aprssig@tapr.org>; Fri, 7 Apr 1995 18:53:08 -0500
From: BARRETTD@CRPL.CEDAR-RAPIDS.LIB.IA.US
Date: Fri, 7 Apr 1995 13:52:55 -0500 (CDT)
To: aprssig@tapr.org
Message-Id: <950407135255.6c96@CRPL.CEDAR-RAPIDS.LIB.IA.US>
Subject: RE: [APRSSIG:677] Genius NewSketch 1212

>I compiled the MAPFIXER program

Where can I get a Qbasic compiler? I haven't seen any ad's or software at the
typical software outlet's; Heck I don't even know what the name of one is so
if someone could tell me I'd be happy indeed. Also about how much.

<someday I'll create a tagline (sure)

From bruninga@greatlakes.nadn.navy.mil Fri Apr 07 19:08:00 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id TAA06515 for
<aprssig@tapr.org>; Fri, 7 Apr 1995 19:07:54 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA10643; Fri, 7 Apr 95 13:18:14 EDT
Date: Fri, 7 Apr 1995 13:18:13 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:677] Genius NewSketch 1212
In-Reply-To: <950407105507_75063505@aol.com>
Message-Id: <Pine.SUN.3.91.950407131309.10549A-100000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 7 Apr 1995 W2HOB@aol.com wrote:

> Help... My good friend K2ADJ's son, Rob, loaned me a Genius (manuf) NewSketch
> 1212 graphics tablet. I have/had (!) high hopes of digitizing the entire ARRL
> section of SNJ ...
>
> I compiled the MAPFIXER program and it boots up ok and I'm using it

APR COMMENT. Get it working first in QBasic...

And before that, get it working with PROCOMM!!! Configure the table to output data to PROCOMM in the following format whenever you CLICK the mouse or when you press the button or whatever:

xxxxx,yyyyy,z

The x and y values are decimal such as 1234,5789 and the z can be just about anything or even be missing (I think) If the z matches whatever I have in MAPFIX, then you can use both the button 0 and button 3, but if it doesn't match, at least you will get the point. Make that at 9600,n,8,1 and it should work!

From W2HOB@aol.com Fri Apr 07 19:56:07 1995
Received: from mail06.mail.aol.com (mail06.mail.aol.com [152.163.172.108]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id TAA06951 for <aprssig@tapr.org>; Fri, 7 Apr 1995 19:56:04 -0500
From: W2HOB@aol.com
Received: by mail06.mail.aol.com
(1.37.109.11/16.2) id AA164252563; Fri, 7 Apr 1995 20:56:03 -0400
Date: Fri, 7 Apr 1995 20:56:03 -0400
Message-Id: <950407205601_75723822@aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:687] RE: Genius ...

I use Microsoft's QuickBasic Compiler 4.0 where 4.5 is the latest I think. It doesn't come with DOS... it's a separate standalone BASIC compiler but not their superduper professional program.

I think the push is on toward Visual Basic which is a "compiler" for WINDOWS stuff. This is all I know!

73 de Boyd AR

From keating@nosc.mil Fri Apr 07 20:02:34 1995
Received: from trout.nosc.mil (trout.nosc.mil [128.49.16.7]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id UAA06979 for <aprssig@tapr.org>; Fri, 7 Apr 1995 20:02:32 -0500
Received: from manta.nosc.mil by trout.nosc.mil (4.1/SMI-4.1)
id AA17497; Fri, 7 Apr 95 18:02:26 PDT
Received: from [128.49.184.29] (44209rk.nosc.mil) by manta.nosc.mil (4.1/SMI-4.1)
id AA12219; Fri, 7 Apr 95 18:02:10 PDT
X-Sender: keating@manta.nosc.mil
Message-Id: <abab9055090210041d99@[128.49.184.29]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Fri, 7 Apr 1995 18:01:02 -0700
To: aprssig@tapr.org
From: keating@nosc.mil (Roger Keating)
Subject: Re: [APRSSIG:684] Re: Where's everyone?

In SoCA, I am told the APRS frequency is 144.990 as assigned by TASMA.

I haven't got my APRS station on the air yet, but the local gurus encourage us all to use this frequency for APRS packet activity.

Roger Keating - KD6EFQ DM12jr
keating@nosc.mil

From mead@skat.usc.edu Fri Apr 07 20:19:41 1995
Received: from skat.usc.edu (skat.usc.edu [128.125.253.131]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id UAA07136 for
<aprssig@tapr.org>; Fri, 7 Apr 1995 20:19:37 -0500
Received: from hamal.usc.edu (mead@hamal.usc.edu [128.125.18.25])
by skat.usc.edu (8.6.10/8.6.4) with ESMTP
id SAA17466 for <aprssig@tapr.org>; Fri, 7 Apr 1995 18:19:35 -0700
Received: (mead@localhost)
by hamal.usc.edu (8.6.10/8.6.7+ucs)
id SAA02598; Fri, 7 Apr 1995 18:19:34 -0700
Date: Fri, 7 Apr 95 18:19:33 PDT
From: Dick Mead <mead@skat.usc.edu>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:690] Re: Where's everyone?
In-Reply-To: Your message of Fri, 7 Apr 1995 20:09:32 -0500
Message-ID: <CMM.0.90.2.797303973.mead@hamal.usc.edu>

> In SoCA, I am told the APRS frequency is 144.990 as assigned by TASMA.
>
> I haven't got my APRS station on the air yet, but the local gurus encourage
> us all to use this frequency for APRS packet activity.
>
> Roger Keating - KD6EFQ DM12jr
> keating@nosc.mil
>
>
>

144.990 in SoCal was assigned as the experimental modes freq, however,
tcp/ip at 9600 bps is what you'll find there. I have never heard any
APRS stations there. Most of us are probably on 1200 baud in 146.745 -600.

Of course, that doesn't mean you couldn't set up there...

Dick WB6NGC

From wd6dod@wd6dod.ampr.org Fri Apr 07 21:18:00 1995
Received: from citpac.gps.caltech.edu (citpac.gps.caltech.edu [131.215.57.249]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id VAA07440 for
<aprssig@tapr.org>; Fri, 7 Apr 1995 21:17:55 -0500
Received: from wd6dod.ampr.org by citpac.gps.caltech.edu (JNOS1.10h) with SMTP
id AA9719 ; Fri, 07 Apr 95 19:20:48 UTC
Date: Fri, 7 Apr 1995 19:16:58 -48000
From: Bob Lorenzini <wd6dod@wd6dod.ampr.org>

Subject: Re: [APRSSIG:690] Re: Where's everyone?
To: aprssig@tapr.org
In-Reply-To: <abab9055090210041d99@[128.49.184.29]>
Message-ID: <Pine.3.89.9504071900.A104-01000000@wd6dod.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 7 Apr 1995, Roger Keating wrote:

> In SoCA, I am told the APRS frequency is 144.990 as assigned by TASMA.
>
> I haven't got my APRS station on the air yet, but the local gurus encourage
> us all to use this frequency for APRS packet activity.
>
> Roger Keating - KD6EFQ DM12jr
> keating@nosc.mil
>

144.990 is a 9600 baud ONLY freq in SoCal. You will not find any 1200
baud APRS here. Most of the APRS activity is on 146.745 duplex packet
repeater.

Bob - wd6dod
bob1@citpac.gps.caltech.edu

From K2ADJ@aol.com Fri Apr 07 22:17:36 1995
Received: from mail04.mail.aol.com (mail04.mail.aol.com [152.163.172.53]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id WAA07590 for
<aprssig@tapr.org>; Fri, 7 Apr 1995 22:17:29 -0500
From: K2ADJ@aol.com
Received: by mail04.mail.aol.com
(1.37.109.11/16.2) id AA237051043; Fri, 7 Apr 1995 23:17:23 -0400
Date: Fri, 7 Apr 1995 23:17:23 -0400
Message-Id: <950407231721_75865288@aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:680] APRS6.8 and...

APR WANTS: APRS FREQ's

Bob, please remove from you APRSFREQ.BK the digi site of W2HOB on 147.345...

Eastern PA, all of NJ, SE NY State and the southern Teir of CT (as far as I
know) is all on 5.79 with multiple WIDE's in each state...

Maybe a large BOX would be fitting, hi. expand the box as the network
expands here in the NE...

The digi on 147.345 is still there but 99 44/100ths% of the APRS activity is
on 145.79 all the way to Cape May.

73 de Rod

From K2ADJ@aol.com Fri Apr 07 22:17:39 1995
Received: from mail02.mail.aol.com (mail02.mail.aol.com [152.163.172.66]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id WAA07591 for <aprssig@tapr.org>; Fri, 7 Apr 1995 22:17:30 -0500
From: K2ADJ@aol.com
Received: by mail02.mail.aol.com (1.37.109.11/16.2) id AA003981045; Fri, 7 Apr 1995 23:17:25 -0400
Date: Fri, 7 Apr 1995 23:17:25 -0400
Message-Id: <950407231724_75865329@aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:684] Re: Where's...

Gotta add my 2 cents worth to the "taking of a frequency for APRS".....

Here in the Delaware Valley we came up on 145.79 early in the game only to learn 2 nights later that there was some ATV on the frequency, a net held every night for one hour by a group of about 6 members.. So, we decided to give the hour to them, well, it didn't last very long until they decided to MOVE to another "quiet" frequency...

It is not the real way to do it but if you ask your coordinator for 145.79 I guarantee you he will say it is in use so you are still out in the cold with the rest of the gang.. Here in the North East there are no quiet frequencies so if you want to operate on 145.79, just go ahead and work with the BBS's, NODES, TCP/IP, ATV and DX Clusters and finally they will get sick of all those extra APRS Packets and they will move - eventually!

73 all and by golly, have fun.....de Rod

.
From jbaum@freenet.columbus.oh.us Fri Apr 07 22:46:44 1995
Received: from ronco.freenet.columbus.oh.us (ronco.freenet.columbus.oh.us [164.107.107.13]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id WAA07757 for <aprssig@tapr.org>; Fri, 7 Apr 1995 22:46:41 -0500
Received: from acme.freenet.columbus.oh.us by ronco.freenet.columbus.oh.us (8.6.10/4.940426) id XAA13890; Fri, 7 Apr 1995 23:46:20 -0400
Received: by acme.freenet.columbus.oh.us (8.6.10) id XAA24186; Fri, 7 Apr 1995 23:46:35 -0400
Date: Fri, 7 Apr 1995 23:39:51 -0400 (EDT)
From: John Baum <jbaum@freenet.columbus.oh.us>
Subject: Version 6.8 availability
To: aprs sig <aprssig@tapr.org>
Message-ID: <Pine.3.07.9504072351.A22142-a1000000@acme>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

For those who can not find this version via Internet, I did download to my LLBBS from ARN BBS this evening. There are 3 versions available: APRS68.ZIP - The full version - 65to68.zip - The upgrade and 67to68.zip for those who are always on the cutting edge.

These files are available on the first logon - once you get past the logon...:-)... At the main menu type "T" (Transfer Section) then Type "2"

to get to the APRS PROGRAM section, then "L" (list) followed by a return to see the file list.

If you long on for the first time, please write down your user number, the phone number you entered, and your password. You'll need all 3 to log on again.

The Ohio Mapmaker - KB8JX0 - Sysop APRS OHIO LLBBS (614) 443-4249
Packet address KB8JX0@W8CQK.#CMH.OH.USA
The 137th most knowledgeable person about A.P.R.S.

From jbaum@freenet.columbus.oh.us Fri Apr 07 22:52:41 1995
Received: from ronco.freenet.columbus.oh.us (ronco.freenet.columbus.oh.us [164.107.107.13]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id WAA07785 for <aprssig@tapr.org>; Fri, 7 Apr 1995 22:52:33 -0500
Received: from acme.freenet.columbus.oh.us by ronco.freenet.columbus.oh.us (8.6.10/4.940426)
id XAA14165; Fri, 7 Apr 1995 23:52:09 -0400
Received: by acme.freenet.columbus.oh.us (8.6.10) id XAA25345; Fri, 7 Apr 1995 23:52:24 -0400
Date: Fri, 7 Apr 1995 23:46:37 -0400 (EDT)
From: John Baum <jbaum@freenet.columbus.oh.us>
Subject: NWX Bulletins to APRS parsing
To: aprs sig <aprssig@tapr.org>
Message-ID: <Pine.3.07.9504072337.A22142-a100000@acme>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The COSWN (Central Ohio Severe Weather Net) group has asked if it is possible to output the NWS Weather Wire and/or NEXRAD radar images to APRS. I remeber the thread about the WX Wire but nothing about radar. (But of course I didn't keep anything on the WX wire, seeing I have my nose buried in maps all the time.)

If I remeber right, this was some experimental stuff at a few WX stations. Would someone(s) please refresh my memory.

The Ohio Mapmaker - KB8JX0 - Sysop APRS OHIO LLBBS (614) 443-4249
Packet address KB8JX0@W8CQK.#CMH.OH.USA
The 137th most knowledgeable person about A.P.R.S.

From jbaum@freenet.columbus.oh.us Fri Apr 07 23:05:38 1995
Received: from ronco.freenet.columbus.oh.us (ronco.freenet.columbus.oh.us [164.107.107.13]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id XAA07913 for <aprssig@tapr.org>; Fri, 7 Apr 1995 23:05:34 -0500
Received: from acme.freenet.columbus.oh.us by ronco.freenet.columbus.oh.us (8.6.10/4.940426)
id AAA14708; Sat, 8 Apr 1995 00:05:14 -0400
Received: by acme.freenet.columbus.oh.us (8.6.10) id AAA27252; Sat, 8 Apr 1995 00:05:26 -0400

Date: Fri, 7 Apr 1995 23:52:30 -0400 (EDT)
From: John Baum <jbaum@freenet.columbus.oh.us>
Subject: GPS WORLD CONTEST
To: aprs sig <aprssig@tapr.org>
Message-ID: <Pine.3.07.9504072330.A22142-b100000@acme>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The April issue of GPS World announce that applications are now being accepted for the 1995 GPS Application competition. The following is part of their announcement (please note - the typos will be mine, not theirs)

"Send us your most interesting application of GPS. Did it solve a problem? Did it save time? Save Money? Help save the environment? Or just allow you to do something in a unique way? We want to hear about it and publish it in the magazine."

"To enter the competition, send us a brief typewritten description of your work (no more than 300 words) along with slides or color photographs that will better explain what you've done and document the project. An independent panel of judges will evaluate the submissions based on three criteria: uniqueness, technology, and practical results. The best entries will be published in the August 1995 Showcase issue of GPS World."

"To enter the contest, send your entries before June 1, 1995 to:

Molly Trudeau, c/o GPS World, 859 Willamette St. Eugene OR 97401-6806
.... . You may also e-mail your text to mggpsworld@aol.com."

Gee folks - ya think APRS and it's multiple applications might qualify ?

The Ohio Mapmaker - KB8JX0 - Sysop APRS OHIO LLBBS (614) 443-4249
Packet address KB8JX0@W8CQK.#CMH.OH.USA
The 137th most knowledgeable person about A.P.R.S.

From gerry@cs.tamu.edu Sat Apr 08 00:33:47 1995
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id AAA09431 for <aprssig@tapr.org>; Sat, 8 Apr 1995 00:33:44 -0500
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id AAA09091 for <aprssig@tapr.org>; Sat, 8 Apr 1995 00:33:44 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id AAA05494 for aprssig@tapr.org; Sat, 8 Apr 1995 00:33:40 -0500
Message-Id: <199504080533.AAA05494@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:682] Re: OS-2 Warp
To: aprssig@tapr.org
Date: Sat, 8 Apr 1995 00:33:39 -0500 (CDT)
In-Reply-To: <Pine.SUN.3.91.950407134010.10549D-1000000@greatlakes.nadn.navy.mil> from "Robert Bruninga" at Apr 7, 95 02:13:09 pm
X-Mailer: ELM [version 2.4 PL23]
Content-Type: text

Content-Length: 745

Robert Bruninga sez:

>

> I show COW = 02921 with GPS = 911. If that doesnt work, tell me about it
> Try COWS = 79414 maybe that will validate?

indeed, and it works find for stuff up to v68 (altho' the one at the lab was 62A and I was running 67 at home. V68 would NOT let me ENTER a validation number, instead, telling me I couldn't do that.

> The ../raw message is supposed to show up after 3 raw posits with an
> unvalidated user. This was to prevent use of an unvalidated APRS program
> being used commercially to track dozens of fleet vehicles\ trackers.

Makes sense.

> If its not working that way, lemme know. No one has reported seeing the
> message before...

I suspect I'm doing a few things they're not doing.

73, gerry

From hurlockw@netaxis.com Sat Apr 08 01:55:17 1995

Received: from netaxis.com (eliza.netaxis.com [198.69.103.2]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id BAA10009 for
<aprssig@tapr.org>; Sat, 8 Apr 1995 01:55:14 -0500

Received: from mail.netaxis.com (eliza.netaxis.com) by netaxis.com (5.0/SMI-SVR4)
id AA15496; Sat, 8 Apr 1995 02:58:21 -0400

Message-Id: <9504080658.AA15496@netaxis.com>

X-Sender: hurlockw@netaxis.com

X-Mailer: Windows Eudora Version 1.4.4

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Sat, 08 Apr 1995 01:54:54 -0400

To: aprssig@tapr.org

From: hurlockw@netaxis.com (Bill Hurlock)

Subject: Re: [APRSSIG:484] Re: Garmin 45

content-length: 1514

Bob, Ya got the P problem resolved OK, however the position info is still not updating correctly using the GARMIN GPS-45. I went Alt-S-G-InfoGGA and I still see occasional RMC fixes in the P list and the Altitude only updates maybe once out of 10 updates. Most of the time on the P line for my Station the end of the line shows GLL/NUL/LAST NEMA FIX. One thing I was not clear on....is there a GGA command suppose to be in the GPS command line. I only found InfoGGA. I found no GGA command as stated in your message. One other problem... my Object i.e QTH-YAGI shows up when I set it from My-POS but if I change to the 3d map and back the Symbol disappears and all I have where my position is is a tiny dot with a tiny circle around it or just a dot. I have to go back into MY-POS and reset it again. This just started showing up in 6.8. I went C-O-G and looked at the data from the GPS and it looks fine. Is there a possibility that the other letters at the head of each line just

before say the GGA is causing a line length problem when you parse the data in. I am not sure if you use fixed record lengths for the incoming data from the serial port. I can't remember for sure but I think there is a ?M before each string coming in from the Garman. I also found if I switch the GARMAN to NEMA ver.1.5 I always get RMC fixes. Hope this helps.....

73....Bill

//-----
hurlockw@netaxis.com
wa2tqi.ampr.org 41.08.33N 73.23.51W
grid square FN31jd

From W2HOB@aol.com Sat Apr 08 06:35:04 1995
Received: from mail06.mail.aol.com (mail06.mail.aol.com [152.163.172.108]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id GAA10486 for <aprssig@tapr.org>; Sat, 8 Apr 1995 06:35:01 -0500
From: W2HOB@aol.com
Received: by mail06.mail.aol.com
(1.37.109.11/16.2) id AA256266019; Fri, 7 Apr 1995 16:20:20 -0400
Date: Fri, 7 Apr 1995 16:20:20 -0400
Message-Id: <950407162017_75376318@aol.com>
To: aprssig@tapr.org
Subject: APRSFREQ.BK Clarification

Just a quick note to clarify something about the WIDE digi network in SNJ...
I just took a peak at the APRSFREQ.BK map and if everyone adds to this it should provide mobilers a nifty reference while travelling.

In Southern New Jersey... there shows the frequency of 147.345. This is a node W2HOB-3 which has digi turned on and posit info in its btext, but it is not the APRSNET frequency for SNJ. We used it in the infancy period of APRS to experiment with. It is the section-wide node site for ARES and NTS operations and while we still "experiment" there from time-to-time, South Jersey has "standardized" its APRSNet on 145.79 with WIDEs, UL-IIIs, GATEs, etc etc.

Bob, WB4APR, would you be so kind as to change your distro file to show SNJ on 145.79. We have also been monitoring 445.925 and haven't heard a peep from anything else... maybe this UHF will catch on!

Still havin' fun... 73 de Boyd AR

From z002594b@bcfreenet.seflin.lib.fl.us Sat Apr 08 07:34:04 1995
Received: from bcfreenet.seflin.lib.fl.us (bcfreenet.seflin.lib.fl.us [198.78.48.20]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id HAA10646 for <aprssig@tapr.org>; Sat, 8 Apr 1995 07:34:01 -0500
Received: by bcfreenet.seflin.lib.fl.us (4.1/SMI-4.1)
id AA15095; Sat, 8 Apr 95 08:31:42 EDT
Date: Sat, 8 Apr 1995 08:31:42 -0400 (EDT)
From: William Manley <z002594b@bcfreenet.seflin.lib.fl.us>
Subject: Re: [APRSSIG:683] 20m, anyone?
To: aprssig@tapr.org
Cc: aprssig@tapr.org

In-Reply-To: <9504071857.AA02268@sunrise.e-technik.uni-ulm.de>
Message-Id: <Pine.3.89.9504080811.A14576-0100000@bcfreenet.seflin.lib.fl.us>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

What frequency and modulation mode is being used for APRS on 20m?

William Manley
z002594b@bcfreenet.seflin.lib.fl.us

On Fri, 7 Apr 1995, Hermann Schumacher wrote:

> Hi APRS fans,
> I have been observing the APRS 20m frequency for a while without results.
> Anyone out there willing to try it?
> Hermann
> DF2DR
>
> --
> Hermann Schumacher | hschu@ebs.e-technik.uni-ulm.de
> Dept. of Electron Devices and Circuits |
> University of Ulm, | office: +49 731 502-6152
> D-89069 Ulm, Germany | FAX: +49 731 502-6155
> -----
> Help fight leukemia - we're closing in on a killer!
>
>

From jkeck@smartdocs.com Sat Apr 08 07:42:08 1995
Received: from smartdocs.com (smartdocs.com [204.118.4.2]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id HAA10674 for
<aprssig@tapr.org>; Sat, 8 Apr 1995 07:42:06 -0500
Received: from pm62.smartdocs.com by smartdocs.com (4.1/SMI-4.1)
id AA15466; Sat, 8 Apr 95 05:42:54 PDT
Message-Id: <9504081242.AA15466@smartdocs.com>
X-Sender: jkeck@smartdocs.com
X-Mailer: Windows Eudora Version 1.4.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sat, 08 Apr 1995 05:42:20 -0700
To: aprssig@tapr.org
From: jkeck@smartdocs.com (Jim Keck)
Subject: Re: [APRSSIG:691] Re: Where's everyone?

Hi.....

>> In SoCA, I am told the APRS frequency is 144.990 as assigned by TASMA.<<
>> I haven't got my APRS station on the air yet, but the local gurus encourage
>> us all to use this frequency for APRS packet activity.
>>
>> Roger Keating - KD6EFQ DM12jr
>> keating@nosc.mil

>
>
>144.990 in SoCal was assigned as the experimental modes freq, however,
>tcp/ip at 9600 bps is what you'll find there. I have never heard any
>APRS stations there. Most of us are probably on 1200 baud in 146.745 -600.
>
>Of course, that doesn't mean you couldn't set up there...
>
>Dick WB6NGC
>

Please do not use 144.990 as an APRS Frequency unless you are running at 9600 Baud....This single frequency was designated for use as experimental 9600 and above....because it was felt that 1200 and 9600 do not mix on the same frequency.....146.745 as well as most of the other authorized digital frequencies are available to APRS users and you should not cause a problem. However, using 144.990 will make APRS users an unfriendly neighbor....

There is a move afoot to bring 145.790 into the packet community for APRS....Please help by assisting the SCDCC in this effort.

73..Jim...N6HNY
SCDCC Director, SCARC

From rsb@crl.com Sat Apr 08 09:55:13 1995
Received: from mail.crl.com (mail.crl.com [165.113.1.22]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id JAA11076 for <aprssig@tapr.org>; Sat, 8 Apr 1995 09:55:10 -0500
Received: from crl7.crl.com by mail.crl.com with SMTP id AA06518 (5.65c/IDA-1.5 for <aprssig@tapr.org>); Sat, 8 Apr 1995 07:53:14 -0700
Received: by crl7.crl.com id AA03026 (5.65c/IDA-1.5); Sat, 8 Apr 1995 07:53:45 -0700
Date: Sat, 8 Apr 1995 07:53:45 -0700 (PDT)
From: "Ruston S. Baum" <rsb@crl.com>
To: John Baum <jbaum@freenet.columbus.oh.us>
Cc: aprssig@tapr.org
Subject: Re: [APRSSIG:696] NWX Bulletins to APRS parsing
In-Reply-To: <Pine.3.07.9504072337.A22142-a100000@acme>
Message-Id: <Pine.SUN.3.91.950408072520.2716B-100000@crl7.crl.com>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 7 Apr 1995, John Baum wrote:

> The COSWN (Central Ohio Severe Weather Net) group has asked if it
> is possible to output the NWS Weather Wire and/or NEXRAD radar images to
> APRS. I remeber the thread about the WX Wire but nothing about radar. (But of
> course I didn't keep anything on the WX wire, seeing I have my nose buried
> in maps all the time.)
> If I remeber right, this was some experimental stuff at a few WX

> stations. Would someone(s) please refresh my memory.
>
>
> The Ohio Mapmaker - KB8JX0 - Sysop APRS OHIO LLBBS (614) 443-4249
> Packet address KB8JX0@W8CQK.#CMH.OH.USA
> The 137th most knowledgeable person about A.P.R.S.
>
>
>
>

Hi John,

I will reply to you on SIG so everyone can share info. Here in ST.Louis MIRSA (Mo. Ill. Regional Skywarn Association) and The St. Charles ARC run a packet wxwire system from the local NWS office. The program that we use called PC-AFSO could be used to input NWS products to any packet system. What we do here in St.Louis is we tap a printer in the NWS office where a copy of everything is sent for records. Just need two wires signal and grd, run the data through the PC-AFSO where this program picks out the products that we want to send out and transfers the data over to a computer running MSYS BBS. We have the forward time set to -1 and so anything that is enter as a bulletin is automaticly forwarded to other BBSs via 9600 backbone system. One could input that data to APRS and have it sent out I suppose. I have not done anything yet with the APRS due to lack of equipment and tower space at the NWS (they are buying us a new 80ft tower which will free up some antenna space right now we have a 25 footer.) It should be noted that after we got up and running we found on a average storm system that as many as 300 bulletins canbe generated, that blew some BBS OPs minds. If you would like to get this AFSO program have your guys at your local NWS office get a hold of Bill Gerry from the NWS Regional office in Kansas City, Mo. His Inet address is:

William_Gery_at_W-CR-HUB@smtpgate.ssmc.noaa.gov

Now for the Doppler images, A fellow in Tulsa OK named Hinson wrote a program that allows RCM products to be sent over and view via packet. The RCM product is a graphic file of what is on the radar screen. In STL this product is captured every 30 mins and stored for records. We are going to move this time up to every 10 to 15 minutes. The product is binary and Hinson's program converts it to ASCII and is transmitted via packet on the users in we down load the file put it in his viewing program and we have doppler radar image in 6 or 8 colors. On can store several of these and the program will loop them giving you a moving picture.

Thats about the story onthat Bill is working on interfacing the radar stuff into the office network so that installation canbe done at any NWS office.

Need more info letme know.

73

Rusty

From KBass@venable.com Sat Apr 08 10:58:39 1995

Received: from access2.digex.net (access2.digex.net [164.109.10.5]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id KAA11350 for <aprssig@tapr.org>; Sat, 8 Apr 1995 10:58:36 -0500

Received: from bassanco.digex.net by access2.digex.net with SMTP id AA07959
(5.67b8/IDA-1.5 for <aprssig@tapr.org>); Sat, 8 Apr 1995 11:58:32 -0400
Message-Id: <199504081558.AA07959@access2.digex.net>
X-Sender: KBass@venable.com
X-Mailer: Windows Eudora Version 1.4.4
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sat, 08 Apr 1995 11:58:34 -0400
To: aprssig@tapr.org
From: KBass@venable.com (Ken Bass)
Subject: Re: [APRSSIG:681] Re: OS-2 Warp and WINDOWS

>On Fri, 7 Apr 1995, Robert Bruninga wrote:

>
>> If someone that has it all figured out would write a WINDOWS.txt file or
>> an OS-2.txt file, I would be happy to distribute it...
>

Like Criag, I run APRS (6.8) under WINDOWS 3.11 with no problems at all. I simply created a new program icon and let it fly. No special PIFs or other changes were required. I'm not running it with any GPS, just with a TNC, however.

Ken Bass
K4EVH

From bruninga@greatlakes.nadn.navy.mil Sat Apr 08 11:36:53 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id LAA11547 for
<aprssig@tapr.org>; Sat, 8 Apr 1995 11:36:50 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA15707; Sat, 8 Apr 95 12:36:07 EDT
Date: Sat, 8 Apr 1995 12:36:07 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:687] RE: Genius NewSketch 1212
In-Reply-To: <950407135255.6c96@CRPL.CEDAR-RAPIDS.LIB.IA.US>
Message-Id: <Pine.SUN.3.91.950408123407.15688C-1000000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 7 Apr 1995 BARRETTD@CRPL.CEDAR-RAPIDS.LIB.IA.US wrote:

> Where can I get a Qbasic compiler? I haven't seen any ad's or software at the
> typical software outlet's; Heck I don't even know what the name of one is so
> if someone could tell me I'd be happy indeed. Also about how much.

Its called QuickBasic 4.5 and is available from any computer software store, i'm sure. I paid \$69 for it. Its a complete development system of which the Qbasic normally supplied with DOS is only a minimum subset...

From pwmarina@ix.netcom.com Sat Apr 08 13:12:23 1995
Received: from ix2.ix.netcom.com (ix2.ix.netcom.com [199.182.120.3]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id NAA11888 for
<aprssig@tapr.org>; Sat, 8 Apr 1995 13:12:19 -0500
Received: from ix2.ix.netcom.com (8.6.12/SMI-4.1/Netcom)
id LAA06341; Sat, 8 Apr 1995 11:12:04 -0700
Date: Sat, 8 Apr 1995 11:12:04 -0700
Message-Id: <199504081812.LAA06341@ix2.ix.netcom.com>
From: pwmarina@ix.netcom.com (Michael Mentuck)
Subject: Re: [APRSSIG:685] HP96LX Palmtop
To: aprssig@tapr.org

You wrote:

>
>The following is a packet message from a local Ham that has a very good
idea
>as to miniaturizing his mobile GPS/Packet equipment. Anyone out there
have
>any ideas?
>
>73 de Mike KE6EGK
>AOL MikeKE6EGK
>Internet MikeKE6EGK@aol.com
>-----

>-----

>
>
>>From : AC6JA
>To : APRS@ALLUS
>Type/status : BH
>Date/time : 30-Mar 21:50
>BID (MID) : 14139_KA6EYH
>Message # : 79675
>Title : APRS ON PALMTOP?
>
>HI THERE.
>
>NAME HERE IS MIKE AND I LIVE IN FOSTER CITY, CALIFORNIA. I WOULD BE
>INTERESTED IN HEARING FROM ANYONE WHO HAS SUCCESSFULLY USED THE APRS
PROGRAM
>ON A PALMTOP COMPUTER. PRESENTLY I HAVE A HEWLETT PACKARD HP95LX AND A
KAN-
>TRONICS KPC-3 VERSION 6.0 AND A RADIO SHACK HTX-202. I HAVE BEEN ABLE
TO USE
>THIS SETUP FOR REGULAR PACKET OPERATIONS, BUT I WOULD BE INTERESTED IF
THE
>APRS PROGRAM WOULD BE CAPABLE OF RUNNING ON THE PALMTOP, MAINLY DUE TO
THE
>SMALL SIZE OF THE SCREEN (40 X 16) AS OPPOSED TO STANDARD 80 X 25. ANY
HELP

>WOULD BE GREATLY APPRECIATED.

>THANKS!

>

>--- End of message #79675 to APRS from AC6JA ---

>

>Mike:

Although I'm not an accomplished APRS user, I do run it on my 100 LX on occasion. Here's what I have set up:

- A standard off-the-shelf HP 100 LX, with just the 1 megabyte of memory that comes with it; no PCMCIA card or anything like that.
- A PacComm Handi Packet TNC (Very small, internal Ni-Cads or external 12vdc. A great unit!).
- An earlier version of APRS - 4.?, I think.
- A Yeasu 2 meter radio. I find that using an H/T just doesn't have the punch needed for APRS or regular packet use.
- A small 1/4 wave magnetic mount antenna for almost anywhere in operation.
- A cigarette lighter / alligator clip arrangement for powering the radio from a car, boat, whatever.

In order to run APRS, I have copied APRS???.EXE, USA.MAP, and my local map (MABOSTON.MAP), and MAPLIST.APR into the directory structure required by the program.

I start up the HP, and in the Applications menu (the screen with all the icons) choose Menu, Applications, Terminate all. This closes out all the stuff running in the background, and frees up memory for APRS. You may have to fiddle with the memory configuration in the System screen to make room for the APRS files, but it shouldn't be too difficult.

It is slow, compared to running on a 486 machine, but once you are in the map you use most, the performance is acceptable. The screen aspect is off a little, because the HP display is wider than it is tall compared to a regular pc display, but if one has good eyes, the detail on the lcd display is clear and readable. I'm not sure what the difference between the 95 and 100 is, so you may not get the same results.

As I said, I'm by no means well versed in using APRS, and haven't yet mastered optimizing my digi path for the most efficient use, but have gotten it to receive and transmit with APRS, and the screen updates seem to confirm normal operation.

I have a Garmin hand held GPS I use on the boat, but haven't had the time (read I don't have the talent!) to link them up to report my position.

As an added bonus, the built in comm software in the HP works just fine for regular packet operations, and doesn't take up any useable memory!

Good luck with the project, and let me know how you make out.

Mike Mentuck

From dougs@ccnet.com Sat Apr 08 20:37:04 1995
Received: from ccnet.ccnet.com (ccnet.ccnet.com [192.215.96.2]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id UAA13866 for
<aprssig@tapr.org>; Sat, 8 Apr 1995 20:36:56 -0500
Received: from ccnet.com (h96-187.ccnet.com [192.215.96.187]) by ccnet.ccnet.com
(8.6.12/8.6.9) with SMTP id SAA05260 for <aprssig@tapr.org>; Sat, 8 Apr 1995
18:34:06 -0700
Message-Id: <Chameleon.950408183605.dougs@ccnet.com>
Date: Sat, 8 Apr 95 18:35:20 PDT
Reply-To: dougs@ccnet.com (Doug Smith)
From: dougs@ccnet.com (Doug Smith)
To: aprssig@tapr.org
Subject: Request

Subscribe Doug Smith

ORIGIN: Doug Smith dougs@ccnet.com
Pleasant Hill, CA <http://www.ccnet.com/~dougs>
WA6GON

From amac@ICSI.Net Sat Apr 08 20:56:23 1995
Received: from ICSI.Net (ICSI.Net [199.1.96.100]) by dingus.n5lyt.datarace.com
(8.6.10/8.6.9) with SMTP id UAA13998 for <aprssig@tapr.org>; Sat, 8 Apr 1995
20:56:00 -0500
Received: by ICSI.Net (5.0/SMI-SVR4)
id AA10311; Sat, 8 Apr 1995 20:57:38 +0600
Date: Sat, 8 Apr 1995 20:57:37 -0500 (CDT)
From: Andy MacAllister <amac@ICSI.Net>
Subject: 500mW 2-m xmtr
To: aprssig@tapr.org
Message-Id: <Pine.3.89.9504082052.A10205-01000000@monet>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII
content-length: 330

Hi! I need info on how to get one of the 0.25 cu.in. xmtr's
for 144.34 MHz. Actually I could use a couple of them ASAP
as we have a balloon launch in July and a local high school
has a launch in May. Please respond with info. Was this in a
ham mag anywhere? Thanks and 73 de Andy WA5ZIB

amac@icsi.net or wa5zib@amsat.org

From keating@nosc.mil Sat Apr 08 21:18:19 1995

Received: from trout.nosc.mil (trout.nosc.mil [128.49.16.7]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id VAA14112 for
<aprssig@tapr.org>; Sat, 8 Apr 1995 21:18:12 -0500
Received: from manta.nosc.mil by trout.nosc.mil (4.1/SMI-4.1)
id AA05435; Sat, 8 Apr 95 19:18:00 PDT
Received: from [128.49.184.29] (44209rk.nosc.mil) by manta.nosc.mil (4.1/SMI-4.1)
id AA07152; Sat, 8 Apr 95 19:17:45 PDT
X-Sender: keating@manta.nosc.mil
Message-Id: <abaceff3020210043ffe@[128.49.184.29]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sat, 8 Apr 1995 19:16:37 -0700
To: aprssig@tapr.org
From: keating@nosc.mil (Roger Keating)
Subject: Re: [APRSSIG:702] Re: Where's everyone?
Cc: jkeck@smartdocs.com (Jim Keck), tmill493@bssbbs.com (Tuck Miller - KC6ZEC)

> Hi.....
>
>>> In SoCA, I am told the APRS frequency is 144.990 as assigned by TASMA.<<
>>> I haven't got my APRS station on the air yet, but the local gurus encourage
>>> us all to use this frequency for APRS packet activity.
>>>
>>> Roger Keating - KD6EFQ DM12jr
>>> keating@nosc.mil
>>
>>
>>144.990 in SoCal was assigned as the experimental modes freq, however,
>>tcp/ip at 9600 bps is what you'll find there. I have never heard any
>>APRS stations there. Most of us are probably on 1200 baud in 146.745 -600.
>>
>>Of course, that doesn't mean you couldn't set up there...
>>
>>Dick WB6NGC
>>
> Please do not use 144.990 as an APRS Frequency unless you are running
> at 9600 Baud....This single frequency was designated for use as experimental
> 9600 and above....because it was felt that 1200 and 9600 do not mix on the
> same frequency.....146.745 as well as most of the other authorized digital
> frequencies are available to APRS users and you should not cause a problem.
> However, using 144.990 will make APRS users an unfriendly neighbor....
> There is a move afoot to bring 145.790 into the packet community for
> APRS....Please help by assisting the SCDCC in this effort.
>
> 73..Jim...N6HNY
> SCDCC Director, SCARC

Jim,
I don't have my packet station on the air, but in telephone conversation
with Del Radant, N6JZE, (619) 279-7692, one of the ARRL 00s in San Diego,
he assures me that the only correct place for 1200 bps APRS stations on 2m
is 144.990 in San Diego. I'm told this is the coordinated place for this
mode, until something else is assigned.

He tells me that there are 32 stations on the air on this frequency in San Diego now. (Plus three unknown mobile stations Beacon IDing with JLI, MPK, PGY, and MZB.)

At a local presentation at the San Diego 220 club in March, the frequency 144.990 was announced as the officially (TASMA I think, but am not sure) coordinated frequency for APRS on 2m.

If this is not correct, we in San Diego await further instructions. It makes no sense for me to operate my station differently than every other station using APRS on 2m.

Roger Keating - KD6EFQ DM12jr
keating@nosc.mil

From ksproul@hardees.rutgers.edu Sat Apr 08 21:42:40 1995
Received: from hardees.rutgers.edu (hardees.rutgers.edu [128.6.18.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id VAA14230 for <aprssig@tapr.org>; Sat, 8 Apr 1995 21:42:35 -0500
Received: (from ksproul@localhost) by hardees.rutgers.edu (8.6.10+bestmx+oldruq+newsunq+grosshack/8.6.10) id WAA12869 for aprssig@tapr.org; Sat, 8 Apr 1995 22:42:33 -0400
Sender: Keith Sproul <ksproul@hardees.rutgers.edu>
Date: Sat, 8 Apr 95 22:42:33 EDT
From: Keith Sproul <ksproul@hardees.rutgers.edu>
Reply-To: Keith Sproul <ksproul@hardees.rutgers.edu>
To: aprssig@tapr.org
Subject: Micro transmitter
Message-ID: <CMM-RU.1.4.797395353.ksproul@hardees.rutgers.edu>

The micro transmitters are available from AGRELLO ENGINEERING in upstate New York. I don't have the phone number at the moment, but they advertise in the common ham mags..

Keith

Keith Sproul	Ham Radio: WU2Z
Student Housing Network Coordinator	ksproul@noc.rutgers.edu
Rutgers University Computing Services	908 445-3695 Work
http://www-ns.rutgers.edu/~ksproul/	908 821-4828 Home

From W2HOB@aol.com Sat Apr 08 22:00:04 1995
Received: from mail02.mail.aol.com (mail02.mail.aol.com [152.163.172.66]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id VAA14391 for <aprssig@tapr.org>; Sat, 8 Apr 1995 21:59:52 -0500
From: W2HOB@aol.com
Received: by mail02.mail.aol.com
(1.37.109.11/16.2) id AA038916381; Sat, 8 Apr 1995 22:59:41 -0400
Date: Sat, 8 Apr 1995 22:59:41 -0400
Message-Id: <950408225833_76749124@aol.com>
To: aprssig@tapr.org

Subject: The NewSketch Digitizer Progress

Well, my thanks to all who supplied info for the Genius NewSketch Digitizer. It works... very tedious, but I am on the road to success... not there yet, but on the way!

Special thanks to Bill, KE4EER (wnolle@fly.hiwaay.net) for a little program to slow down the puck's output... Bill, I still gotta be quick and not hit the button too long or a string of the same positions comes streaming out! I may try to stretch out the FOR NEXT statement if that 's ok by you. I compiled it and it's gotta be run.

Bob, APR, would you be interested in this little 6-7 line gem? I can send you the BAS source. You did ask and FYI, the tablet outputs a lot of points at once... I line up the puck's crosshairs hold it with my left hand and just tap the button for a point to take... gotta be quick!

The tablet does have the coordinates as you said and MAPFIX68 corrects them and keep on truckin'! Now... why does my back hurt... when I got up to go to the bathroom, I was walking up the stairs all hunched over... does this go with the job?!!!!!! Hi Hi

Have fun now... de Boyd AR Thanks again everyone.

From Emmet2@aol.com Sun Apr 09 00:50:02 1995

Received: from mail04.mail.aol.com (mail04.mail.aol.com [152.163.172.53]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id AAA16048 for <aprssig@tapr.org>; Sun, 9 Apr 1995 00:49:59 -0500

From: Emmet2@aol.com

Received: by mail04.mail.aol.com

(1.37.109.11/16.2) id AA196826598; Sun, 9 Apr 1995 01:49:58 -0400

Date: Sun, 9 Apr 1995 01:49:58 -0400

Message-Id: <950409014956_76867519@aol.com>

To: aprssig@tapr.org

Subject: Re: [APRSSIG:702] Re: Where's everyone?

I must say that I am amazed and somewhat dismayed by the comments of those who have said they have, or have experienced others, securing a frequency by interfering with other's use of the frequency. This seems in direct conflict with the letter and spirit of the law and credence of Amateur Radio. There seems there must be a better way.

I understand what the gentleman in CT said. As a resident of CT I am fully aware there is NO coordinating body, which is rapidly causing a mess of repeaters and other frequency allocation/distribution in our fine state.

This does not, however, mean that one should resort to brute force or stubborn determination to win a frequency.

I think I might seriously consider what legal actions could be taken if a particular activity was established on a frequency and another activity just ignored our presence and started using it in an attempt to drive the first activity off.

I know this doesn't directly relate to APRS specifically, but since we were discussing a 'nationwide' frequency and how to secure one, we ought to ensure those who might have some footwork to find a frequency will be utilizing appropriate measures to secure the frequency.

- Chip Griffin aka Granite
- President of Thames River Apple Users Group
- SysOp of The Quarry LLBBS (203-889-6427)

= Emmet2 (America Online) = emmet2@aol.com (internet)
= N1MIE@N10KK.CT.USA (packet) = 1:320/301 (fidonet)

From klarson@access.digex.net Sun Apr 09 08:01:39 1995
Received: from access3.digex.net (access3.digex.net [164.109.10.6]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id IAA17389 for <aprssig@tapr.org>; Sun, 9 Apr 1995 08:01:36 -0500
Received: by access3.digex.net id AA20564
(5.67b8/IDA-1.5 for aprssig@tapr.org); Sun, 9 Apr 1995 09:01:34 -0400
Message-Id: <199504091301.AA20564@access3.digex.net>
Date: Sun, 09 Apr 95 09:01:10 EDT
From: klarson@access.digex.net (Kent Larson)
Reply-To: klarson@access.digex.net (Kent Larson)
To: aprssig@tapr.org
X-Mailer: PMMail (v1.05 UNREGISTERED SHAREWARE)
Subject: Re: [APRSSIG:652] Re: Frequency Coordination

On Thu, 6 Apr 1995 09:13:09 -0500 you wrote:

>>That is very interesting. We, me and several others, would be
>>interested in putting them in trackers but we want to stay on 145.79
>>for now. I have been looking for the MFJ data radio but they are
>>advertizing but not delivering. I wonder if anyone has found a source
>>for the MFJ 5 watt data radios?
>
>I just noticed that Radio Shack is selling their 2m HT for \$189 - so, for \$90
>more than the MFJ you can get a frequency agile 5W radio with a great rx
>front end. Tempting...

You are right, it is tempting, but since I just got back from a radio control convention in Toledo I think I will have to wait a while for that.

Kent

From ICUMMINGS@delphi.com Sun Apr 09 08:48:55 1995
Received: from bos1a.delphi.com (bos1a.delphi.com [192.80.63.1]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id IAA17584 for <aprssig@tapr.org>; Sun, 9 Apr 1995 08:48:53 -0500
From: ICUMMINGS@delphi.com
Received: from delphi.com by delphi.com (PMDf V4.3-9 #7804)
id <01HP4PV94Q9C95R2K9@delphi.com>; Sun, 09 Apr 1995 09:48:50 -0500 (EST)
Date: Sun, 09 Apr 1995 09:48:50 -0500 (EST)
Subject: Re: [APRSSIG:711] The NewSketch Digitizer Progress
To: aprssig@tapr.org, icummings@delphi.com

Message-id: <01HP4PV94ZWI95R2K9@delphi.com>
X-VMS-To: IN%"aprssig@tapr.org"
X-VMS-Cc: INTERNET"icummings@delphi.com"
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII
Content-transfer-encoding: 7BIT

Hi Paul,

Well, I haven't either figured out how to delete more than one message at a time. If you figure out, let me know!

The silence is curious. I would be curious to read the "background" correspondence (email) that helped arrange this!

Ian

From JKANDEL@umiami.ir.miami.edu Sun Apr 09 10:02:00 1995
Received: from stimp.yt.miami.edu (stimp.yt.miami.edu [129.171.32.32]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id KAA17879 for <aprssig@tapr.org>; Sun, 9 Apr 1995 10:01:57 -0500
From: JKANDEL@umiami.ir.miami.edu
Received: from umiami.ir.miami.edu by umiami.ir.miami.edu (PMDf V4.3-13 #7207) id <01HP4SDBE5ZKA25F3R@umiami.ir.miami.edu>; Sun, 09 Apr 1995 11:01:54 -0400 (EDT)
Date: Sun, 09 Apr 1995 11:01:54 -0400 (EDT)
Subject: SONY PYXIS Pin-out
To: aprssig@tapr.org
Message-id: <01HP4SDBEYWYA25F3R@umiami.ir.miami.edu>
X-Envelope-to: aprssig@tapr.org
X-VMS-To: IN%"aprssig@tapr.org"
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII
Content-transfer-encoding: 7BIT

I am in possession of a SONY PYXIS GPS receiver and a Radio Shack RS-232 interface cable from their PDA. Is anyone in possession of a pin-out of the SONY PYXIS port, so that I can figure out how to modify the cable for GPS to TNC interface?

Joel Kandel, KI4T
jkandel@gate.com

From jkeck@smartdocs.com Sun Apr 09 10:08:33 1995
Received: from smartdocs.com (smartdocs.com [204.118.4.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id KAA17956 for <aprssig@tapr.org>; Sun, 9 Apr 1995 10:08:30 -0500
Received: from by smartdocs.com (4.1/SMI-4.1) id AB14710; Sun, 9 Apr 95 08:09:18 PDT
Message-Id: <9504091509.AB14710@smartdocs.com>
X-Sender: jkeck@smartdocs.com
X-Mailer: Windows Eudora Version 1.4.3
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"
Date: Sun, 09 Apr 1995 08:09:15 -0700
To: aprssig@tapr.org
From: jkeck@smartdocs.com (Jim Keck)
Subject: Re: [APRSSIG:709] Re: Where's everyone?

>> Hi.....

>>

>>>> In SoCA, I am told the APRS frequency is 144.990 as assigned by TASMA.<<
>>>> I haven't got my APRS station on the air yet, but the local gurus encourage
>>>> us all to use this frequency for APRS packet activity.

>>>>

>>>> Roger Keating - KD6EFQ DM12jr

>>>> keating@nosc.mil

>>>

>>>

>>>144.990 in SoCal was assigned as the experimental modes freq, however,
>>>tcp/ip at 9600 bps is what you'll find there. I have never heard any
>>>APRS stations there. Most of us are probably on 1200 baud in 146.745 -600.

>>>

>>>Of course, that doesn't mean you couldn't set up there...

>>>

>>>Dick WB6NGC

>>>

>> Please do not use 144.990 as an APRS Frequency unless you are running
>> at 9600 Baud....This single frequency was designated for use as experimental
>> 9600 and above....because it was felt that 1200 and 9600 do not mix on the
>> same frequency.....146.745 as well as most of the other authorized digital
>> frequencies are available to APRS users and you should not cause a problem.
>> However, using 144.990 will make APRS users an unfriendly neighbor....

>> There is a move afoot to bring 145.790 into the packet community for
>> APRS....Please help by assisting the SCDCC in this effort.

>>

>> 73..Jim...N6HNY

>> SCDCC Director, SCARC

>

>Jim,

>I don't have my packet station on the air, but in telephone conversation
>with Del Radant, N6JZE, (619) 279-7692, one of the ARRL 00s in San Diego,
>he assures me that the only correct place for 1200 bps APRS stations on 2m
>is 144.990 in San Diego. I'm told this is the coordinated place for this
>mode, until something else is assigned.

>

>He tells me that there are 32 stations on the air on this frequency in San
>Diego now. (Plus three unknown mobile stations Beacon IDing with JLI,
>MPK, PGY, and MZB.)

>

>At a local presentation at the San Diego 220 club in March, the frequency
>144.990 was announced as the officially (TASMA I think, but am not sure)
>coordinated frequency for APRS on 2m.

>

>If this is not correct, we in San Diego await further instructions. It
>makes no sense for me to operate my station differently than every other

>station using APRS on 2m.
>
>Roger Keating - KD6EFQ DM12jr
>keating@nosc.mil
>

I can see that my plea and request not to use 144.990 could have been inappropriate. Especially if someone thought I meant the whole of SoCA. I should have limited my comments to those stations in and around the Los Angeles area. How close that is and what effect you will have on 9600 Baud and above users depends on your location. The most widely distributed and available source is that Repeater Location Guide which on page 24 shows Packet Radio Band Plans. The frequencies it lists are the generally accepted digital frequencies for 2 meters, however, we are all aware that 144.950 is used by SAREX and should not be a General use or BBS frequency.

Jim Keck, N6HNY
SCDCC Director, SCARC

From rsb@crl.com Sun Apr 09 12:14:06 1995
Received: from mail.crl.com (mail.crl.com [165.113.1.22]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id MAA18534 for <aprssig@tapr.org>; Sun, 9 Apr 1995 12:14:03 -0500
Received: from crl11.crl.com by mail.crl.com with SMTP id AA08466 (5.65c/IDA-1.5 for <aprssig@tapr.org>); Sun, 9 Apr 1995 10:12:06 -0700
Received: by crl11.crl.com id AA00947 (5.65c/IDA-1.5 for aprssig@tapr.org); Sun, 9 Apr 1995 10:14:22 -0700
Date: Sun, 9 Apr 1995 10:14:22 -0700 (PDT)
From: "Ruston S. Baum" <rsb@crl.com>
To: aprssig@tapr.org
Subject: What APRS activities going on at DAYTON
Message-Id: <Pine.SUN.3.91.950409101058.788B-100000@crl11.crl.com>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Any APRS activities going on at Dayton? Any forums ect.....
Its that time a year to migrate east to OHIO!

73

Rusty

From gerry@cs.tamu.edu Sun Apr 09 13:06:41 1995
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTMP id NAA18659 for <aprssig@tapr.org>; Sun, 9 Apr 1995 13:06:38 -0500
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTMP id NAA24938 for <aprssig@tapr.org>; Sun, 9 Apr 1995 13:06:37 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id NAA10072 for aprssig@tapr.org; Sun, 9 Apr 1995 13:06:33 -0500
Message-Id: <199504091806.NAA10072@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:716] Re: Where's everyone?

From john.kerr@projectx.com Sun Apr 09 19:59:39 1995
Received: from gpu.westonia.com (gpu.westonia.com [198.38.2.35]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id TAA20406 for
<aprssig@tapr.org>; Sun, 9 Apr 1995 19:59:36 -0500
Received: by gpu.westonia.com (/##/\ Smail3.1.29.0.3 #29.10)
id <m0ry4eI-002HABC@gpu.westonia.com>; Sun, 9 Apr 95 19:59 EST
To: aprssig@tapr.org
Subject: Test Message
From: john.kerr@projectx.com (SYSOP)
Message-ID: <8A71410.000100185E.uuout@projectx.com>
Date: Sun, 09 Apr 95 17:20:00 -5
Organization: Project X BBS - VE3SVE - Brampton, Ontario (905) 792-7890
Reply-To: john.kerr@projectx.com (SYSOP)
X-Mailreader: PCBoard Version 15.21
X-Mailer: PCBoard/UUOUT Version 1.10

Just a test message to see that Project X in Brampton, Ontario
is now active on the APRS subscription list.

John VE3SVE

From jeffl@comix.santa-cruz.ca.us Sun Apr 09 20:15:05 1995
Received: from cats.ucsc.edu (cats-po-1.UCSC.EDU [128.114.129.22]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id UAA20509 for
<aprssig@tapr.org>; Sun, 9 Apr 1995 20:15:02 -0500
Received: from scruc.ucsc.edu by cats.ucsc.edu with SMTP
id SAA28851; Sun, 9 Apr 1995 18:14:58 -0700
Received: from comix by scruc.ucsc.edu id aa01837; 9 Apr 95 19:06 PDT
Subject: Re: [APRSSIG:607] LOW POWER National Tracking Frequency
To: aprssig@tapr.org
Date: Sun, 9 Apr 1995 18:13:23 -0700 (PDT)
From: Jeff Liebermann <jeffl@comix.santa-cruz.ca.us>
In-Reply-To: <Pine.SUN.3.91.950404092134.2774C-100000@greatlakes.nadn.navy.mil>
from "Robert Bruninga" at Apr 4, 95 09:10:00 am
X-machine: 386/25 clone. SCO Unix 3.2v4.2
X-Mailer: ELM [version 2.4 PL23]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Length: 2336
Message-ID: <9504091813.aa12258@comix.Santa-Cruz.Ca.US>

> The way we ended up on 145.79 was that it was designated as an
> experimental frequency. GPS tracking seemed to fit that discription just
> perfectly. Then, as it evolved in to a permanent system, we realized
> (...)
> P.S. Remember the "target" frequency of 445.925 on UHF too.. See UHFfreq.txt
> (although I still have no reports of anyone there yet..)

In the Northern Calif area, 145.79 is heavily used.
(This is from an old CPRL list and may be somewhat dated)

FMTMB N6QMY-1 145.79 BBS USER PORT FREMONT B

FMTNOD	N6QMY-2	145.79	SOUTH SF BAY AREA	FREMONT		Q
KERN	WB6ODZ	145.79	BBS/USER PORT	WOFFORD HEIGHTS	2500	B
KERN1	WB6ODZ-1	145.79	USER NODE	SHIRLEY PEAK	7125	N
LAY	K7WWA-10	145.79	NO. MENDOCINO CO.	LAYTONVILLE	4480	N
#BLBBS	N6MPW-7	145.79		BEN LOMOND		BQ
#BLNOD	N6MPW-6	145.79		BEN LOMOND		N
?	N6REB-2	145.79		MODESTO		B
?	WA6KTK-2	145.79		MANTECA		B

445.925 is the *INPUT* of our radio club repeater (K6BJ) in Santa Cruz.

The defacto APRS frequency for San Francisco and Monterey Bay is 145.010 via K6TAM-5, W6CX-3 and WA6AFT-3 full time digipeaters. These are all on mountaintops. My current beacon listing for Sunday afternoon (APRS busy time) shows 24 different call signs in the last hour. The beacon list also shows just about every APRS version distributed. During the weekday commutes, there are 2-5 mobiles with GPS appearing.

One problem with "experimental" frequencies is that once the technology is proven, it's hard to get people to move. 146.52 is alleged to be the "calling frequency" but has degenerated into the local rag chew channel. The 441.875+ "test pair" is occupied by dozens of private phone patches. HF packet forwarding was suppose to be "experimental" but became permanent. If anyone knows of an unoccupied nationwide frequency suitable for APRS, please let us know.

--

```
# Jeff Liebermann   Box 272      1540 Jackson Ave    Ben Lomond    CA    95005
# 408.336.2558 voice wb6ssy@ki6eh.#nocal.ca.usa  wb6ssy.ampr.org [44.4.18.10]
# 408.699.0483 digital_pager  73557,2074  cis [don't]
# jeffl@comix.santa-cruz.ca.us  scruc.ucsc.edu!comix!jeffl
From dvelez@ix.netcom.com Sun Apr 09 21:28:59 1995
Received: from ix4.ix.netcom.com (ix4.ix.netcom.com [199.182.120.7]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id VAA20923 for
<aprssig@tapr.org>; Sun, 9 Apr 1995 21:28:56 -0500
Received: from by ix4.ix.netcom.com (8.6.12/SMI-4.1/Netcom)
      id TAA15297; Sun, 9 Apr 1995 19:28:49 -0700
Date: Sun, 9 Apr 1995 19:28:49 -0700
Message-Id: <199504100228.TAA15297@ix4.ix.netcom.com>
From: dvelez@ix.netcom.com (Daniel Velez)
Subject: Re: [APRSSIG:685] HP96LX Palmtop
To: aprssig@tapr.org
```

You wrote:

```
>
>The following is a packet message from a local Ham that has a very good
idea
>as to miniaturizing his mobile GPS/Packet equipment. Anyone out there
have
>any ideas?
>
```

>73 de Mike KE6EGK
>AOL MikeKE6EGK
>Internet MikeKE6EGK@aol.com
>-----

>-----

>
>
>>From : AC6JA
>To : APRS@ALLUS
>Type/status : BH
>Date/time : 30-Mar 21:50
>BID (MID) : 14139_KA6EYH
>Message # : 79675
>Title : APRS ON PALMTOP?
>
>HI THERE.
>
>NAME HERE IS MIKE AND I LIVE IN FOSTER CITY, CALIFORNIA. I WOULD BE
>INTERESTED IN HEARING FROM ANYONE WHO HAS SUCCESSFULLY USED THE APRS
PROGRAM
>ON A PALMTOP COMPUTER. PRESENTLY I HAVE A HEWLETT PACKARD HP95LX AND A
KAN-
>TRONICS KPC-3 VERSION 6.0 AND A RADIO SHACK HTX-202. I HAVE BEEN ABLE
TO USE
>THIS SETUP FOR REGULAR PACKET OPERATIONS, BUT I WOULD BE INTERESTED IF
THE
>APRS PROGRAM WOULD BE CAPABLE OF RUNNING ON THE PALMTOP, MAINLY DUE TO
THE
>SMALL SIZE OF THE SCREEN (40 X 16) AS OPPOSED TO STANDARD 80 X 25. ANY
HELP
>WOULD BE GREATLY APPRECIATED.
>THANKS!
>
>--- End of message #79675 to APRS from AC6JA ---

We're running the current version on the HP200LX with no problems! We
simply have the maps we need and the SYSTEM files, and the few from the
root and it works great!

We've been trying to work the digital modes into public service
events...when everyone sees this neat stuff, heads turn!
Dan

--

dvelez@ix.netcom.com or N4WZR@N4LXI.VA.NOAM
A0000GA! A0000GA! DIVE! DIVE! DIVE!

From 75036.1632@compuserve.com Mon Apr 10 00:09:52 1995

Received: from dub-img-4.compuserve.com (dub-img-4.compuserve.com [198.4.9.4]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id AAA22701 for <aprssig@tapr.org>; Mon, 10 Apr 1995 00:09:50 -0500
Received: by dub-img-4.compuserve.com (8.6.10/5.941228sam) id BAA24135; Mon, 10 Apr 1995 01:09:48 -0400
Date: 10 Apr 95 01:05:21 EDT
From: Bill Reid <75036.1632@compuserve.com>
To: Bob Bruninga <aprssig@tapr.org>
Subject: MFJ 1278
Message-ID: <950410050521_75036.1632_CHI37-1@CompuServe.COM>

Bob...

Sure do appreciate your help with solving the MFJ 1278 communication protocol dilemma. I went over to WB4ZVH's QTH and had him up and going in no time. Here are the changes I made from his defaults:

PAR 0
8BITCONV ON
AWLEN 8

That did the trick.

Thanks again.

73,
Bill

From seront@seism1.ess.sunysb.edu Mon Apr 10 08:44:21 1995
Received: from CCMAIL.SUNYSB.EDU (ccmail.sunysb.edu [129.49.1.103]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id IAA23836 for <aprssig@tapr.org>; Mon, 10 Apr 1995 08:44:09 -0500
Received: from seism1.ess.sunysb.edu by ccmail.sunysb.edu (PMDF V4.3-7 #5424) id <01HP640EEZV4R8ZC8E@ccmail.sunysb.edu>; Mon, 10 Apr 1995 09:43:49 EDT
Received: from corto (corto.ess.sunysb.edu) by seism1.ess.sunysb.edu (4.1/SMI-4.1) id AA04106; Mon, 10 Apr 95 09:43:07 EDT
Date: Mon, 10 Apr 1995 09:44:37 -0500
From: seront@seism1.ess.sunysb.edu (Bernard Seront)
Subject: Re: [APRSSIG:705] RE: Genius NewSketch 1212
X-Sender: seront@seism1.ess.sunysb.edu
To: aprssig@tapr.org, aprssig@tapr.org
Message-id: <9504101343.AA04106@seism1.ess.sunysb.edu>
MIME-version: 1.0
X-Mailer: <PC Eudora Version 1.4>
Content-type: text/plain; charset="us-ascii"
Content-transfer-encoding: 7BIT

At 11:47 AM 4/8/95 -0500, Robert Bruninga wrote:

>

>Its called QuickBasic 4.5 and is available from any computer software
>store, i'm sure. I paid \$69 for it. Its a complete deevlopment system
>of which the Qbasic normally supplied with DOS is only a minimum subset...

>

I tried to buy one a month ago, and it seems that it is not available (the computer store here at the university didn't find it in microsoft catalogue). It has been replaced by Microsoft Basic 7(for dos), and by visual basic (for windows development). Perhaps you should be able to find qb45 somewhere, but microsoft basic 7 is supposed to compile everything from qb45, and is supposed to be better. I never tried it.

Bernard, KBT2GH

From bruninga@greatlakes.nadn.navy.mil Mon Apr 10 09:34:48 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id JAA24383 for
<aprssig@tapr.org>; Mon, 10 Apr 1995 09:34:19 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA21202; Mon, 10 Apr 95 10:33:13 EDT
Date: Mon, 10 Apr 1995 10:33:12 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:712] Re: Where's everyone?
In-Reply-To: <950409014956_76867519@aol.com>
Message-Id: <Pine.SUN.3.91.950410100950.20123H-100000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I echo the sentiments recently expressed about the inappropriateness of just grabbing a frequency. And to be sure that no one attributes that kind of un-gentlemanly behavior to me, let me again state my objective in targeting 145.79:

Since mobiles with GPS cross political boundaries, there is an advantage to finding a nationwide GPS tracking frequency. As a target, 145.79 has been proposed. If you can get this frequency coordinated in your area, please do so. I am NOT advocating just taking it over if it is already in use..

..

From seront@seism1.ess.sunysb.edu Mon Apr 10 09:50:45 1995
Received: from CCMAIL.SUNYSB.EDU (ccmail.sunysb.edu [129.49.1.103]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id JAA24552 for
<aprssig@tapr.org>; Mon, 10 Apr 1995 09:50:35 -0500
Received: from seism1.ess.sunysb.edu by ccmail.sunysb.edu (PMDF V4.3-7 #5424)
id <01HP66BZGH5SR8JFPR@ccmail.sunysb.edu>; Mon, 10 Apr 1995 10:50:25 EDT
Received: from cortto (cortto.ess.sunysb.edu)
by seism1.ess.sunysb.edu (4.1/SMI-4.1) id AA04159; Mon, 10 Apr 95 10:49:44 EDT
Date: Mon, 10 Apr 1995 10:51:13 -0500
From: seront@seism1.ess.sunysb.edu (Bernard Seront)
Subject: minimal aprs, was Re:HP96LX Palmtop
X-Sender: seront@seism1.ess.sunysb.edu
To: aprssig@tapr.org
Message-id: <9504101449.AA04159@seism1.ess.sunysb.edu>
MIME-version: 1.0
X-Mailer: <PC Eudora Version 1.4>
Content-type: text/plain; charset="us-ascii"

Content-transfer-encoding: 7BIT

> I WOULD BE
>INTERESTED IN HEARING FROM ANYONE WHO HAS SUCCESSFULLY USED THE APRS PROGRAM
>ON A PALMTOP COMPUTER.

Not directly related to that, but when I tried mac aprs this weekend on my mac lc, 6 meg of ram, i couldn't run anything else. It would be great if we had just a minimal program (for mac or for pc), using as less memory as possible, just grabbing pertinent data from the com port (stations position, messages ...), saving them in a file that is readable by aprs , and sending a few packets when needed (basically only ack packets, the station position can be send by the tnc with the beacon function). So one could leave this program running in the background all the time (using the computer for something else), or run it on a small palmtop; and just read all these data when starting aprs to be in the network with all the information on hand.

Bernard, KB2TGH.

From ksproul@hardees.Rutgers.EDU Mon Apr 10 10:17:02 1995
Received: from old-hercules.rutgers.edu (old-hercules.rutgers.edu [128.6.18.82])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id KAA24729 for
<aprssig@tapr.org>; Mon, 10 Apr 1995 10:16:59 -0500
Received: (from ksproul@localhost) by old-hercules.rutgers.edu
(8.6.10+bestmx+oldruq+newsunq+grosshack/8.6.10) id LAA03219 for aprssig@tapr.org;
Mon, 10 Apr 1995 11:16:57 -0400
Sender: Keith Sproul <ksproul@old-hercules.rutgers.edu>
Date: Mon, 10 Apr 95 11:16:57 EDT
From: Keith Sproul <ksproul@hardees.Rutgers.EDU>
Reply-To: Keith Sproul <ksproul@hardees.Rutgers.EDU>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:726] minimal aprs, was Re:HP96LX Palmtop
In-Reply-To: Your message of Mon, 10 Apr 1995 10:05:49 -0500
Message-ID: <CMM-RU.1.4.797527017.ksproul@old-hercules.rutgers.edu>

The Macintosh version of APRS will run in as little as 4meg with everything installed. It will run in even less if you disable the data bases. See the manual on how to do that. (You simple remove the data base files from the DATA folder, and they won't get loaded) Many people have run MacAPRS on 4meg Mac Pluses and it runs fine.. with the program only using 2meg.. It has also been run on the old Macintosh Portable with 4meg and a Powerbook 100 with only 4 meg..

Keith Sproul

Keith Sproul	Ham Radio: WU2Z
Student Housing Network Coordinator	ksproul@noc.rutgers.edu
Rutgers University Computing Services	908 445-3695 Work
http://www-ns.rutgers.edu/~ksproul/	908 821-4828 Home
From hschu@sunrise.e-technik.uni-ulm.de	Mon Apr 10 10:40:38 1995

Received: from sunrise.e-technik.uni-ulm.de (sunrise.e-technik.uni-ulm.de [134.60.21.34]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id KAA24971 for <aprssig@tapr.org>; Mon, 10 Apr 1995 10:40:28 -0500
Received: by sunrise.e-technik.uni-ulm.de (4.1/UniUlm-1.1m) id AA04633; Mon, 10 Apr 95 17:40:18 +0200
From: hschu@sunrise.e-technik.uni-ulm.de (Hermann Schumacher)
Message-Id: <9504101540.AA04633@sunrise.e-technik.uni-ulm.de>
Subject: Re: [APRSSIG:701] Re: 20m, anyone?
To: aprssig@tapr.org
Date: Mon, 10 Apr 95 17:40:17 MET DST
In-Reply-To: <Pine.3.89.9504080811.A14576-0100000@bcfreenet.seflin.lib.fl.us>; from "William Manley" at Apr 8, 95 7:47 am
X-Mailer: ELM [version 2.3 PL11]

>
> What frequency and modulation mode is being used for APRS on 20m?
>
>
> William Manley
> z002594b@bcfreenet.seflin.lib.fl.us
>

>From what I heard, the 20m frequency is 14.958 MHz USB if you use the AEA tones.

73,
Hermann
DF2DR

From bruninga@greatlakes.nadn.navy.mil Mon Apr 10 11:03:34 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id LAA25181 for <aprssig@tapr.org>; Mon, 10 Apr 1995 11:03:30 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1) id AA23179; Mon, 10 Apr 95 12:02:50 EDT
Date: Mon, 10 Apr 1995 12:02:49 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:569] dead recjib reckoning on hf
In-Reply-To: <9504012140.AA16074@aztec.asu.edu>
Message-Id: <Pine.SUN.3.91.950410115908.20123Y@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 1 Apr 1995, GEORGE J. POLAND wrote:

> I have noticed that dead reckoning seems to work fine on vhf but not on hf
> Am I imagining this problem, as no one else seems to notice it.?

APR REPLY: Remember that APRS changes your time from local to ZULU as you switch between HF and VHF. This screws up times for position reports considerably!! All the ones on your P list already, will remain withthe

time AS RECEIVED. But after you switch, all new posits will be in the new time. I donno of a solution, cuz , time s on HF should be in ZULU...

From mmunster@qualcomm.com Mon Apr 10 11:18:14 1995
Received: from happy.qualcomm.com (happy.qualcomm.com [129.46.50.16]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id LAA25221 for <aprssig@tapr.org>; Mon, 10 Apr 1995 11:18:08 -0500
Received: from [129.46.12.181] (mmunster-mac.qualcomm.com [129.46.12.181]) by happy.qualcomm.com (8.6.10/QC-BSD-2.5) with SMTP id JAA12510 for <aprssig@tapr.org>; Mon, 10 Apr 1995 09:18:03 -0700
X-Sender: mmunster@happy
Message-Id: <abaf185a2c02100493f1@[129.46.12.181]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 10 Apr 1995 09:18:03 -0800
To: aprssig@tapr.org
From: mmunster@qualcomm.com (Marvin Munster x5388)
Subject: Re: [APRSSIG:680] APRS6.8 and stuff

Is APRS6.8 at any FTP site yet?
Marvin - WB6PKK

At 9:50 AM 4/7/95, Robert Bruninga wrote:
>Concerning GPS frequencies, I hope that everyone has tried the
>APRFREQ.BK file which displays a USA map with all the known (reported)
>APRS frequencies. (It used to be called USAFREQS.bk) I welcome any
>additions to this map. So far, I havent gotten any new
>reports in months... I only want freqs where there are PERMANENT WIDE's
>OR at least COORDINATED activity. This map makes an excellent pre-travel
>guide....
>
>If you have an input to this map, send it by EMAIL. Just send me in text
>format the LAT/LONG and FREQ. These labels are meant to show at the USA
>level, so if you have multiple WIDES, we only want ONE report.
>
>Just posted 6.8. Things you will notice (maybe)
>* fixed HSP probs due to APRS not storing RMC from its own GPS
>* New OPS-DIGI commands
>* alt-SETUP-GPS-GGA command for selecting GGA only (gets altitude)
>* KAMS no longer get "GATE BITCH" when on VHF side
>* MESSAGES now have their own screen! (swapped R and T commands)
>* Fixed 43 line 3D altitude display
>* RESTORE.TNC is now in APRS\SYSTEM directory. Move yours there.
>Gud Luk

From wnolle@fly.HiWAAY.net Mon Apr 10 11:27:18 1995
Received: from tiny.sprintlink.net (tiny.sprintlink.net [199.0.55.90]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id LAA25298 for <aprssig@tapr.org>; Mon, 10 Apr 1995 11:27:15 -0500
From: wnolle@fly.HiWAAY.net
Received: from fly.HiWAAY.net (fly.HiWAAY.net [204.214.4.2]) by

tiny.sprintlink.net (8.6.9/8.6.9) with SMTP id MAA19943 for <aprssig@tapr.org>;
 Mon, 10 Apr 1995 12:27:13 -0400
 Received: from hosts-163.HiWAAAY.net by fly.HiWAAAY.net;
 (5.65/1.1.8.2/03Mar95-1246PM)
 id AA01539; Mon, 10 Apr 1995 11:27:41 -0500
 Message-Id: <Chameleon.950410112454.wnolle@wnolle.HiWAAAY.net>
 Date: Mon, 10 Apr 95 11:13:01 CDT
 Reply-To: wnolle@fly.HiWAAAY.net
 To: aprssig@tapr.org
 Subject: To those Florence users

I received a message from Bob Bruninga regarding some APRS users that may be operating in Florence,AL one of which is WA4KBD. Well we here in Madison county,AL operate on 145.790. After a lot of hard work and a long local APRS war i managed to get this frequency coordinated. So any users in the Nort Alabama area please move your operation to 145.790 so we can work on setting up possible links from here to Florence and beyond. We have montly APRS meetings and you may want to attend one of them in the future. We will be doing a demo from here to Birmingham, forgot the date right now but will be the first of may, it would be great if you could participate in that. In any case we would like to hear from any users in the area.

```

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|          KE4EER          |
| PKT:KE4EER@K4BFT.#NOAL.AL.USA.NA |
|      [EM64sx]          |
|    APRS 145.790Mhz      |
|  3458'34N-08629'53W    |
|-----o000.-----|
|          .ooo0         |
|        ( )             |
|       ( )              |
|      \ (               |
|       \_              |

```

From girard@panix.com Mon Apr 10 11:42:10 1995
 Received: from panix.com (panix.com [198.7.0.2]) by dingus.n5lyt.datarace.com
 (8.6.10/8.6.9) with ESMTP id LAA25492 for <aprssig@tapr.org>; Mon, 10 Apr 1995
 11:42:00 -0500
 Received: (from girard@localhost) by panix.com (8.6.12/8.6.10+PanixU1.0) id
 MAA19197; Mon, 10 Apr 1995 12:41:54 -0400
 Date: Mon, 10 Apr 1995 12:41:53 -0400 (EDT)
 From: Jess Girard <girard@panix.com>
 To: aprssig@tapr.org
 Subject: Re: [APRSSIG:728] Re: 20m, anyone?
 In-Reply-To: <9504101540.AA04633@sunrise.e-technik.uni-ulm.de>
 Message-ID: <Pine.SUN.3.91.950410124025.18519A-100000@panix.com>
 MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 10 Apr 1995, Hermann Schumacher wrote:

>From what I heard, the 20m frequency is 14.958 MHz USB if you use the
> AEA tones.
>
> 73,
> Hermann
> DF2DR

I think not, Hermann. That's outside the amateur band. Perhaps 14.0958?
I'll check tonight when I get home.

Jess

From duane_naugle@smtpgate.Mitchell.Com Mon Apr 10 12:06:11 1995
Received: from east.thomson.com (east.thomson.com [198.80.142.3]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id MAA25726 for
<aprssig@tapr.org>; Mon, 10 Apr 1995 12:06:02 -0500
Received: from Mitchell.Com (cambridge.mitchell.com) by east.thomson.com with SMTP
id AA24782
(5.65c/IDA-1.4.4 for <aprssig@tapr.org>); Mon, 10 Apr 1995 13:05:48 -0400
Received: from smtpgate.mitchell.com by Mitchell.Com (4.1/SMI-4.1)
id AA06033; Mon, 10 Apr 95 10:09:50 PDT
Received: from cc:Mail by smtpgate.mitchell.com
id AA797533539 Mon, 10 Apr 95 10:05:39 PST
Date: Mon, 10 Apr 95 10:05:39 PST
From: duane_naugle@smtpgate.Mitchell.Com (duane naugle)
Message-Id: <9503107975.AA797533539@smtpgate.mitchell.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:692] Re: Where's everyone?

>On Fri, 7 Apr 1995, Roger Keating wrote:

>> In SoCA, I am told the APRS frequency is 144.990 as assigned by TASMA.
>>
>> I haven't got my APRS station on the air yet, but the local gurus
>> encourage us all to use this frequency for APRS packet activity.
>>
>> Roger Keating - KD6EFQ DM12jr
>> keating@nosc.mil
>>
> 144.990 is a 9600 baud ONLY freq in SoCal. You will not find any 1200
> baud APRS here. Most of the APRS activity is on 146.745 duplex packet
> repeater.

> Bob - wd6dod
> bob1@citpac.gps.caltech.edu

144.990 has been coordinated for APRS use in San Diego. There
are other parts of Southern California.

Duane - K06BT
duane_naugle@smtpgate.mitchell.com

From wd6dod@wd6dod.ampr.org Mon Apr 10 12:49:43 1995
Received: from citpac.gps.caltech.edu (citpac.gps.caltech.edu [131.215.57.249]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id MAA25973 for <aprssig@tapr.org>; Mon, 10 Apr 1995 12:49:31 -0500
Received: from wd6dod.ampr.org by citpac.gps.caltech.edu (JNOS1.10h) with SMTP id AA9942 ; Mon, 10 Apr 95 10:52:33 UTC
Date: Mon, 10 Apr 1995 10:48:26 -48000
From: Bob Lorenzini <wd6dod@wd6dod.ampr.org>
Subject: Re: [APRSSIG:733] Re: Where's everyone?
To: aprssig@tapr.org
In-Reply-To: <9503107975.AA797533539@smtpgate.mitchell.com>
Message-ID: <Pine.3.89.9504101038.A273-0100000@wd6dod.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

>
> 144.990 has been coordinated for APRS use in San Diego. There
> are other parts of Southern California.
>
> Duane - K06BT
> duane_naugle@smtpgate.mitchell.com

Coordinated by who I might ask, certainly not TASMA. This was an unfortunate choice as it is the ONLY vhf 9600 baud freq in SoCal. If you were unaware, these modes are incompatible as 9600 modems have state dcd and will happily key down on 1200 baud. We have an internet gateway and bbs right on the coast in orange county which will be in conflict when the summer duct comes in. In fact both the OC and LA county internet gateways are on 144.990. Will SD mobiles never come north?

Folks this points out the need to chose carefully your local APRS frequency and work with the local coordinating body. I would hate for APRS to get the reputation that dx-cluster has earned by doing their own thing without regard for their neighbors.

Bob - wd6dod
bobl@citpac.gps.caltech.edu

From duane_naugle@smtpgate.Mitchell.Com Mon Apr 10 13:43:14 1995
Received: from east.thomson.com (east.thomson.com [198.80.142.3]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id NAA26413 for <aprssig@tapr.org>; Mon, 10 Apr 1995 13:43:10 -0500
Received: from Mitchell.Com (cambridge.mitchell.com) by east.thomson.com with SMTP id AA26593
(5.65c/IDA-1.4.4 for <aprssig@tapr.org>); Mon, 10 Apr 1995 14:43:04 -0400
Received: from smtpgate.mitchell.com by Mitchell.Com (4.1/SMI-4.1)
id AA06577; Mon, 10 Apr 95 11:47:06 PDT

Received: from cc:Mail by smtpgate.mitchell.com
id AA797539375 Mon, 10 Apr 95 11:42:55 PST
Date: Mon, 10 Apr 95 11:42:55 PST
From: duane_naugle@smtpgate.Mitchell.Com (duane naugle)
Message-Id: <9503107975.AA797539375@smtpgate.mitchell.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:734] Re: Where's everyone?

Yes, TASMA the Two-meter Amateur Spectrum Management Association.
The coordinating body for Southern California. Contact them Bob,
join for \$10 and you can vote. I don't know why it happened, maybe
they couldn't find another frequency. Close work with a coordinating
body is what happened here. Maybe that is not enough.

Duane K06BT
duane_naugle@smtpgate.mitchell.com

----- Reply Separator -----
Subject: [APRSSIG:734] Re: Where's everyone?
Author: aprssig@tapr.org at SMTPGate-Mitchell
Date: 4/10/95 11:09 AM

>
> 144.990 has been coordinated for APRS use in San Diego. There
> are other parts of Southern California.
>
> Duane - K06BT
> duane_naugle@smtpgate.mitchell.com

Coordinated by who I might ask, certainly not TASMA. This was an
unfortunate choice as it is the ONLY vhf 9600 baud freq in SoCal.
If you were unaware, these modes are incompatible as 9600 modems have
state dcd and will happily key down on 1200 baud. We have an internet
gateway and bbs right on the coast in orange county which will be in
conflict when the summer duct comes in. In fact both the OC and LA
county internet gateways are on 144.990. Will SD mobiles never come north?

Folks this points out the need to chose carefully your local APRS
frequency and work with the local coordinating body. I would hate for
APRS to get the reputation that dx-cluster has earned by doing their own
thing without regard for their neighbors.

Bob - wd6dod
bobl@citpac.gps.caltech.edu

From paul@paccomm.com Mon Apr 10 15:07:49 1995
Received: from paccomm.com ([163.125.30.1]) by dingus.n5lyt.datarace.com
(8.6.10/8.6.9) with SMTP id PAA26903 for <aprssig@tapr.org>; Mon, 10 Apr 1995
15:07:41 -0500
X-BBS-Msg-Type: P

Date: Mon, 10 Apr 95 12:17:36 UTC
Message-Id: <2525@paccomm.com>
From: paul@paccomm.com
To: aprssig@tapr.org
Subject: Doppler radar data & APRS

Hi. Been talking with Bob about getting APRS to do this for about 10 days or so. I think it'd be very neat indeed to shoot this data out over APRS. We need to know just how much data is involved before taking all of the bandwidth out of poor old 145.79MHz!!!! Anybody got the data format for public release ?????? pse direct it towards Bob.....
Paul.

Paul Evans, W4/G4BKI paul@paccomm.com
+1 (813) 874-2980 Fax:+1 (813) 872-8696 BBS: +1 (813) 874-3078 (V.34)
The views expressed in this message are not necessarily those of PacComm.
Vice President of Florida CW Contest Group
Runners-up in NAQP CW at our FIRST attempt
PacComm Packet Radio Systems, Inc., 4413 N. Hesperides St., Tampa, FL 33614-7618
From z002594b@bcfreenet.seflin.lib.fl.us Mon Apr 10 15:51:15 1995
Received: from bcfreenet.seflin.lib.fl.us (bcfreenet.seflin.lib.fl.us [198.78.48.20]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id PAA27197 for <aprssig@tapr.org>; Mon, 10 Apr 1995 15:51:03 -0500
Received: by bcfreenet.seflin.lib.fl.us (4.1/SMI-4.1)
id AA07811; Mon, 10 Apr 95 16:46:58 EDT
Date: Mon, 10 Apr 1995 16:46:57 -0400 (EDT)
From: William Manley <z002594b@bcfreenet.seflin.lib.fl.us>
Subject: Re: [APRSSIG:728] Re: 20m, anyone?
To: Hermann Schumacher <hschu@sunrise.e-technik.uni-ulm.de>
Cc: aprssig@tapr.org
In-Reply-To: <9504101540.AA04633@sunrise.e-technik.uni-ulm.de>
Message-Id: <Pine.3.89.9504101658.B1538-01000000@bcfreenet.seflin.lib.fl.us>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

TU Herman. I did listen on 14.096 usb on Saturday and posted no APRS traffic. I'll continue to try ...on 14.098 usb as you suggest.

William Manley
z002594b@bcfreenet.seflin.lib.fl.us

On Mon, 10 Apr 1995, Hermann Schumacher wrote:

> >
> > What frequency and modulation mode is being used for APRS on 20m?
> >
> >
> > William Manley
> > z002594b@bcfreenet.seflin.lib.fl.us

> >

>

> >From what I heard, the 20m frequency is 14.958 MHz USB if you use the
> AEA tones.

>

> 73,

> Hermann

> DF2DR

>

>

From George.Henry@f668.n115.z1.fidonet.org Mon Apr 10 16:45:46 1995
Received: from kitten.mcs.com (Kitten.mcs.com [192.160.127.90]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id QAA27490 for
<aprssig@tapr.org>; Mon, 10 Apr 1995 16:45:43 -0500
Received: from mailbox.mcs.com (Mailbox.mcs.com [192.160.127.87]) by
kitten.mcs.com (8.6.10/8.6.9) with SMTP id QAA00957 for <aprssig@tapr.org>; Mon,
10 Apr 1995 16:45:41 -0500
Received: by mailbox.mcs.com (/\\==/\\ Smail3.1.28.1 #28.5)
id <m0ryR93-000jshC@mailbox.mcs.com>; Mon, 10 Apr 95 16:37 CDT
Received: by chigate.fidonet.org (0.99.950303)
id AA01662; 10 Apr 95 15:30:23 -0600
From: George.Henry@f668.n115.z1.fidonet.org (George Henry)
Date: 10 Apr 95 12:27:30 -0600
Subject: APRS distribution
Message-ID: <d31_9504101530@chigate.fidonet.org>
Organization: Chicago Internet <-> Fidonet Gateway [@chigate.fidonet.org]
To: aprssig@tapr.org

Attn: Bob Bruninga, WB4APR

Would you consider including the FidoNet node numbers of the BBS's that
distribute new releases of APRS in the doc's somewhere? Also, you might want
to make arrangements to release into the Ham Distribution Net also, for better
coverage. The ftp server is ftp.iea.com, directory /pub/borg/hdn, FidoNet
1:124/7010, CrossNet 73:6101/1

Thanks!

de KA3HSW

From janderson@ram.net Mon Apr 10 17:11:54 1995
Received: from ram.net (ram.net [199.97.216.2]) by dingus.n5lyt.datarace.com
(8.6.10/8.6.9) with SMTP id RAA27693 for <aprssig@tapr.org>; Mon, 10 Apr 1995
17:11:51 -0500
Received: by ram.net (5.65/1.3-eeef)
id AA08594; Mon, 10 Apr 95 18:10:59 -0400
From: janderson@ram.net (Jack Anderson)
To: aprssig@tapr.org
Subject: Re: [APRSSIG:738] APRS distribution
Date: Mon, 10 Apr 95 18:11:46 GMT
Message-Id: <15021591.0a95@ram.net>
Version: RAMail 2.8n
Location: TYSON'S CORNER (2712) MCLEAN, VA

>Would you consider including the FidoNet node numbers of the BBS's that
>distribute new releases of APRS in the doc's somewhere? Also, you might want
>to make arrangements to release into the Ham Distribution Net also, for better
>coverage. The ftp server is ftp.iea.com, directory /pub/borg/hdn, FidoNet
>1:124/7010, CrossNet 73:6101/1

Just FYI, 1:109/239 gets the updates, usually same day as release.

Jack

From hg@penny.n2wx.ampr.org Mon Apr 10 17:22:18 1995
Received: from bbs.mpcs.com (bbs.mpcs.com [198.69.107.209]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id RAA27732 for
<aprssig@tapr.org>; Mon, 10 Apr 1995 17:22:10 -0500
Received: by bbs.mpcs.com (Smail3.1.28.1 #52)
id m0ryR1T-0007emC; Mon, 10 Apr 95 18:16 EDT
Received: (from hg@localhost) by n2wx.ampr.org (8.6.9/8.6.9) id QAA00293; Mon, 10
Apr 1995 16:52:40 -0500
Date: Mon, 10 Apr 1995 16:52:40 -0500 (EST)
From: Howard Goldstein <hg@penny.n2wx.ampr.org>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:736] Doppler radar data & APRS
In-Reply-To: <2525@paccomm.com>
Message-ID: <Pine.LNX.3.91.950410165030.289A-1000000@n2wx.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 10 Apr 1995 paul@paccomm.com wrote:

> Hi. Been talking with Bob about getting APRS to do this for about
> 10 days or so. I think it'd be very neat indeed to shoot this data
> out over APRS. We need to know just how much data is involved
> before taking all of the bandwidth out of poor old 145.79MHz!!!!
> Anybody got the data format for public release ??????
> pse direct it towards Bob.....
> Paul.

If I'm not mistaken, doppler wx radar data are proprietary. I think WSI
(?) controls the dissemination.

Someone correct me if I'm wrong.

From janderson@ram.net Mon Apr 10 18:14:30 1995
Received: from ram.net (ram.net [199.97.216.2]) by dingus.n5lyt.datarace.com
(8.6.10/8.6.9) with SMTP id SAA27997 for <aprssig@tapr.org>; Mon, 10 Apr 1995
18:14:25 -0500
Received: by ram.net (5.65/1.3-eef)
id AA09841; Mon, 10 Apr 95 19:13:34 -0400
From: janderson@ram.net (Jack Anderson)
To: aprssig@tapr.org
Subject: Re: [APRSSIG:740] Re: Doppler radar data & APRS

Date: Mon, 10 Apr 95 19:13:29 GMT
Message-Id: <15021591.0a98@ram.net>
Version: RAMail 2.8n
Location: ANNANDALE-PARLIAMENT (280) ANNANDALE, VA

>On Mon, 10 Apr 1995 paul@paccomm.com wrote:

>
>> Hi. Been talking with Bob about getting APRS to do this for about
>> 10 days or so. I think it'd be very neat indeed to shoot this data
>> out over APRS. We need to know just how much data is involved
>> before taking all of the bandwidth out of poor old 145.79MHz!!!!
>> Anybody got the data format for public release ??????
>> pse direct it towards Bob.....
>> Paul.
>
>If I'm not mistaken, doppler wx radar data are proprietary. I think WSI
>(?) controls the dissemination.
>
>Someone correct me if I'm wrong.

There is ASCII radar data from the NWS, the SD data sets, available from noncommercial WeatherMation systems or commercial online services (Compuserve, GENIE, etc.) The SD data sets are very similar to the SA "Surface Airway" forecasts that are obtained from the same sources. APRS already has the capability to parse and display data from the SA data.

The SD data is designed to be read (with some difficulty) by humans, and I have a program that parses it and delivers some pretty good color radar summaries. When compared to "actual" radar the results are very close.

The SD data doesn't take too many characters to convey the current radar information. The DOS program I have, Weatherview (shareware), does a fine job of displaying the results, although the "pixels" are little boxes that appear to be rather large, maybe a mile or more square.

Sometimes I notice crude ASCII character graphics with the SD command, but most of the time it delivers 2 or 3 lines of SD formatted radar summary information.

For an example, I have included the section of my Weatherview doc that describes the SD data format, and a session from my local WeatherMation service with some sample SD data from 1900 EST 4/10/95.

Jack

Sample WEATHERMATION session with SD data for MD, NY and FL:

CONNECT 2400

Welcome to WeatherMation (tm)
Developed by PAN AM Weather Systems
6300 34th Ave. S., Minneapolis, MN 55450

Phone: (612) 727-1084
Provided by: Dulles Aviation -- HEF
For HELP type HELP, to exit type BYE

* WEATHERMODEM+ RELEASE 3.0 IS AVAILABLE!! *

* CALL NOW WITH YOUR SERIAL NUMBER READY FOR INFORMATION ON UPGRADING *

* UPGRADE FROM PREVIOUS VERSION IS ONLY \$39. *

* MODEM UPDATE *

WeatherModem+ software does not support some high speed modems including:

* Zoom, Practical Peripheral, and Hayes Accura 14.400 modems. *

* If you are considering upgrading your modem, please keep this in mind!! *

* If you have any questions, please contact PAN AM. *

Call Keith Prokasky at PAN AM Systems for more information and
updated pricing at 1-612-727-1084

System time is Mon Apr 10 22:53Z Coordinated Universal Time

Session: 14 mns. 55 secs.

Weathermation (tm) >>Welcome to WeatherMation (tm)

Developed by PAN AM Weather Systems

6300 34th Ave. S., Minneapolis, MN 55450

Phone: (612) 727-1084

Provided by: Dulles Aviation -- HEF

For HELP type HELP, to exit type BYE

Weathermation (tm) >>sd md

NHK 1925 AREA 6RW/NEW 315/105 280/150 30W C2650 MT 292/115

AREA 1RW-/- 6/95 123/125 237/20 C2745 MT 140 AT 9/50 CVRG

DCRG RPDLY

^IL1 JM1 LH11 L01001 MH11 NH1 OH1

KWBC 102135

+ 11 001

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    11111
  123232...
  .23333   ....
  . 14.11   .
  .122111   .
  .1221     .
  .1221     .
  .1111     .
111. 11     .
111. .... .
  1         ...
  .         RR .
  .         R  .
R .         R  .
R .         .
RR .        .
R .         .
R . ...     .
R . ...     .
R .         .
R .         ....
R .         . ....
R         . ..
.         .
+ 41 001

```

Session: 14 mns. 24 secs.
 Weathermation (tm) >sd ny

BGM 2235 AREA 4R- 239/121 136/106 100W
 AREA 4R- 101/120 125/74 30W
 AUTO
 ^LP101 MQ1 NN22 ON111111 PK1222101 QK121201 RK22221

BUF 2225 PPINE

NYC 2230 PPIOM UFN ALTN BDL

OKX 2235 AREA 1RW+5R- 292/125 200/117 80W MT 200 AT 198/79
 AREA 3R- 4/54 295/89 55W
 AUTO
 ^KK11 LI1011 MJ1 OH111111 PJ12221 QK32221 RL223

Session: 14 mns. 13 secs.
 Weathermation (tm) >sd nj

'Radar Observations' information for 'NJ' is unavailable.

Session: 13 mns. 57 secs.
 Weathermation (tm) >sd fl

DAB 2225 AREA 1RW/NC 125/50 215/60 20W C0920 MT 100 AT 220/50
^PM2

EYW 2225 PPINE

MLB 2235 PPINE AUTO

NPA 2225 PPINE

PBI 2228 AREA 1RW1R-/- 358/25 95/90 25W C0808 MT 170 AT 92/64
^KQ1 LM20221

TBW 2225 PPINA

Session: 13 mns. 47 secs.
Weathermation (tm) >bye

Thank you for calling WeatherMation

Session: 13 mns. 43 secs.
Weathermation (tm)

Excerpt from WEATHERVIEW documentation with explanation of SD data format:

The data retrieved in the raw SD format is decoded in the following manner.

Format:

Station ID/time/location intensity azimuth and range/movement/
tops/precipitation type-intensity trend/remarks/end

Example: NYC 1930 AREA 2 TRW++/+ 297/130 152/115 160W C2620
MT 300 AT 254/39 HAIL REPORTED THIS CELL

NYC RADAR 1930 UCT; AREA OF ECHOES 2/10 COVERAGE, VERY HVY
THUNDERSTORMS FROM 297 DEGREES/130 NM TO 152 DEGREES/115 NM; AREA IS
160NM WIDE;MAX TOP 30,000' AT 245 DEG/39NM; RMKS PLAIN LANGUAGE;

Intensity Decoder

Level	Echo Intensity	Precip Intsy	Rainfall Rate
-----	-----	-----	-----
1	Weak	None or light	<.1-.2
2	Moderate	Moderate	.1-1.1
3	Strong	Heavy	.5-2.2
4	Very Strong	Very Heavy	2.2-4.5*
5	Intense	Intense	4.5-7.1*
6	Extreme	Extreme	>7.1 in/hr
*= only in convective situations			
8	Unknown but associated with severe wx		

Abbreviations

HOOK - signature "tail" usually associated with tornadoes
HAIL - radar indicated hail
LINE - echoes are in a line
LEWP - Line Echo Wave Pattern - wavy line
FNLN - FiNe LiNe; narrow non-precipitation echo pattern
BWER - Bounded Weak Echo Region - echo free vault within a cell
ALFT - precipitation ALoFT
MALF - Mostly ALoFt precipitation
PALF - Partly ALoFt precipitation
MLVL - Melting LeVeL; radar detection of melting of frozen precip
PCLL - Persistent CeLLs
SLD - SoLiD areas of 80% or more

PPINE - equipment normal; No Echoes
OM - inOp or out of service for Maintenance
NA - observation Not Available
NS - equipment normal; No Significant echoes
ROBEPS Radar Operating BElow Performance Standards
ARNO - Azimuth Range indicator iNOperative
RHINO - Radar Height Indicator iNOperative

Note: above SA and SD decoding information was taken from the
Compuserve file WXDECO.TXT.

The NWS radar stations take the SD digital radar reading at
approximately 25 minutes past the hour. It is usually available for
download at 40 to 45 minutes after the hour.

From csetzer@rmii.com Mon Apr 10 19:25:06 1995
Received: from rmii.com (rainbow.rmii.com [198.59.29.10]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id TAA28397 for
<aprssig@tapr.org>; Mon, 10 Apr 1995 19:25:01 -0500
Received: by rmii.com (Smail3.1.28.1 #13)
id m0ryTja-0004kEC; Mon, 10 Apr 95 18:23 MDT
Message-Id: <m0ryTja-0004kEC@rmii.com>
From: csetzer@rmii.com (Craig Setzer)
Subject: [APRSSIG:741] Re: Doppler radar data & APRS (fwd)
To: aprssig@tapr.org
Date: Mon, 10 Apr 1995 18:23:10 -0600 (MDT)
X-Mailer: ELM [version 2.4 PL22]
Content-Type: text
Content-Length: 3005

>
> >On Mon, 10 Apr 1995 paul@paccomm.com wrote:
> >
> >> Hi. Been talking with Bob about getting APRS to do this for about

```

> >> 10 days or so. I think it'd be very neat indeed to shoot this data
> >> out over APRS. We need to know just how much data is involved
> >> before taking all of the bandwidth out of poor old 145.79MHz!!!!
> >> Anybody got the data format for public release ??????
> >> pse direct it towards Bob.....
> >> Paul.
> >
> >If I'm not mistaken, doppler wx radar data are proprietary. I think WSI
> >(?) controls the dissemination.
> >
> >Someone correct me if I'm wrong.

```

And Jack Anderson responded with:

```

>
> There is ASCII radar data from the NWS, the SD data sets, available from
> noncommercial Weatheration systems or commercial online services (Compuserve,
> GENIE, etc.) The SD data sets are very similar to the SA "Surface Airway"
> forecasts that are obtained from the same sources. APRS already has the
> capability to parse and display data from the SA data.
>
> The SD data is designed to be read (with some difficulty) by humans, and I
> have a program that parses it and delivers some pretty good color radar
> summaries. When compared to "actual" radar the results are very close.
>
> The SD data doesn't take too many characters to convey the current radar
> information. The DOS program I have, Weatherview (shareware), does a find
> job of displaying the results, although the "pixels" are little boxes that
> appear to be rather large, maybe a mile or more square.
>
> Jack
>
> NHK 1925 AREA 6RW/NEW 315/105 280/150 30W C2650 MT 292/115
> AREA 1RW-/- 6/95 123/125 237/20 C2745 MT 140 AT 9/50 CVRG
> DCRG RPDLY
> ^IL1 JM1 LH11 L01001 MH11 NH1 OH1
>

```

The above SD is also called a ROB (Radar OBservation). The line beginning with ^IL1 is the MDR or manually digitized radar portion of the ROB. It is from the MDR that many plotting programs get their data. The letters correspond to grid boxes with MM being the grid box at the radar. The boxes are pretty big, I think they are about 10 miles square and are biased to the highest reflectivity found in the box, so that you only get a very rough idea of precip areas but not individual cells. For APRS use on a local level the MDR data may not contain enough detail for most users and certainly not enough for Skywarn/ARES/RACES/EC uses.

The RCM message is quite different from the ROB in that by using the correct decode program, the RCM gives a contoured plot

of each of six reflectivity levels, plus the storm tops, plus movement, plus winds aloft. The RCM message is usually not that big (around 5k) when there are a few storms.

Now the question, what is the format of RCM data so that it can be included into APRS? Sorry, I'm working on that one and will have to get back to everyone interested.

Craig

Craig Setzer

Internet: csetzer@rmii.com
HAM Radio: KB0MXQ

--You'll find me in the bear's cage...

From janderson@ram.net Mon Apr 10 20:53:44 1995
Received: from ram.net (ram.net [199.97.216.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id UAA28722 for <aprssig@tapr.org>; Mon, 10 Apr 1995 20:53:40 -0500
Received: by ram.net (5.65/1.3-eef)
id AA10682; Mon, 10 Apr 95 21:52:49 -0400
From: janderson@ram.net (Jack Anderson)
To: aprssig@tapr.org
Subject: Re: [APRSSIG:742] Re: Doppler radar data & APRS (fwd)
Date: Mon, 10 Apr 95 21:53:06 GMT
Message-Id: <15021591.0a99@ram.net>
Version: RAMail 2.8n
Location: ANNANDALE-PARLIAMENT (280) ANNANDALE, VA

>The above SD is also called a ROB (Radar OBservation). The line
>beginning with ^IL1 is the MDR or manually digitized radar portion
>of the ROB. It is from the MDR that many plotting programs get their
>data. The letters correspond to grid boxes with MM
>being the grid box at the radar. The boxes are pretty big, I think
>they are about 10 miles square and are biased to the highest
>reflectivity found in the box, so that you only get a very
>rough idea of precip areas but not individual cells.
>For APRS use on a local level the MDR data may not contain
>enough detail for most users and certainly not enough for
>Skywarn/ARES/RACES/EC uses.

It sounds like the Weathermation program I'm using is parsing the MDR data. I looked at today's data on the graphic display and the little boxes appear to be about 10 miles or so on a side, maybe a bit less.

The advantage I see with this (the MDR format) is that for just a few lines of ASCII, one can get some pretty decent graphics. I agree that the level of detail may not be sufficient for local operations, and that, combined with the latency, may make it ineffective for emergency use, i.e. Skywarn. But, it's

hard to beat the graphic output that can be obtained with the small amount of data in the format.

>The RCM message is quite different from the ROB in that by using
>the correct decode program, the RCM gives a contoured plot
>of each of six reflectivity levels, plus the storm tops, plus
>movement, plus winds aloft. The RCM message is usually not
>that big (around 5k) when there are a few storms.
>

>Now the question, what is the format of RCM data so that it
>can be included into APRS? Sorry, I'm working on that one
>and will have to get back to everyone interested.

Where can the RCM data be obtained, and what software is needed to display it? I'd love to have a program that can display the radar conditions with more detail. The Weatheration banner talks about optional (\$) services that include a better radar displays - but the user needs their terminal program to display it.

Jack

From gerry@cs.tamu.edu Mon Apr 10 21:45:44 1995

Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id VAA29010 for <aprssig@tapr.org>; Mon, 10 Apr 1995 21:45:41 -0500

Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id VAA01691 for <aprssig@tapr.org>; Mon, 10 Apr 1995 21:45:40 -0500

From: Gerald J Creager <gerry@cs.tamu.edu>

Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id VAA27568 for aprssig@tapr.org; Mon, 10 Apr 1995 21:45:31 -0500

Message-Id: <199504110245.VAA27568@solar.cs.tamu.edu>

Subject: Re: [APRSSIG:736] Doppler radar data & APRS

To: aprssig@tapr.org

Date: Mon, 10 Apr 1995 21:45:29 -0500 (CDT)

In-Reply-To: <2525@paccomm.com> from "paul@paccomm.com" at Apr 10, 95 03:20:58 pm

X-Mailer: ELM [version 2.4 PL23]

Content-Type: text

Content-Length: 1136

paul@paccomm.com sez:

>

> Hi. Been talking with Bob about getting APRS to do this for about
> 10 days or so. I think it'd be very neat indeed to shoot this data
> out over APRS. We need to know just how much data is involved
> before taking all of the bandwidth out of poor old 145.79MHz!!!!
> Anybody got the data format for public release ??????
> pse direct it towards Bob.....

Gee. We were just talking about this on the linked repeater system down this way...

I've got to talk to a couple of folks re: data formats and processing. I was thinking in terms of doing a raster-save of the static (it really is in vel.

mode) image, doing a vectorization of the data, and an MPEG-type proc to see what's changed. Then, the data would be sent as RADAR station lat and lon, azimuth, distance, dBz, velocity. This would be a pretty reasonable packet, although the total data would be of variable length. Some of the preprocessing power, before it got into the packet system would have to determine gating thresholds for the dBz and vel. data, too, or we'd be updating a lot of data pretty frequently.

Later, Gerry

gerry@cs.tamu.edu

From gerry@cs.tamu.edu Mon Apr 10 21:49:27 1995

Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id VAA29069 for <aprssig@tapr.org>; Mon, 10 Apr 1995 21:49:24 -0500

Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id VAA01743 for <aprssig@tapr.org>; Mon, 10 Apr 1995 21:49:23 -0500

From: Gerald J Creager <gerry@cs.tamu.edu>

Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id VAA27641 for aprssig@tapr.org; Mon, 10 Apr 1995 21:49:16 -0500

Message-Id: <199504110249.VAA27641@solar.cs.tamu.edu>

Subject: Re: [APRSSIG:740] Re: Doppler radar data & APRS

To: aprssig@tapr.org

Date: Mon, 10 Apr 1995 21:49:15 -0500 (CDT)

In-Reply-To: <Pine.LNX.3.91.950410165030.289A-1000000@n2wx.ampr.org> from "Howard Goldstein" at Apr 10, 95 05:40:20 pm

X-Mailer: ELM [version 2.4 PL23]

Content-Type: text

Content-Length: 338

I suspect a subset, plus/minus appropriate processing, might be doable, if WSI and NWS are approached properly. Especially if NWS puts pressure on WSI. The data format for the WSR-88D is a government document, so, finding the appropriate ICD (interface control document), while tedious, should be possible.

73, gerry

gerry@cs.tamu.edu

From csetzer@rmii.com Mon Apr 10 21:57:51 1995

Received: from rmii.com (rainbow.rmii.com [198.59.29.10]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id VAA29165 for <aprssig@tapr.org>; Mon, 10 Apr 1995 21:57:47 -0500

Received: by rmii.com (Smail3.1.28.1 #13)

id m0ryW7R-00043tC; Mon, 10 Apr 95 20:55 MDT

Message-Id: <m0ryW7R-00043tC@rmii.com>

From: csetzer@rmii.com (Craig Setzer)

Subject: [APRSSIG:743] Re: Doppler radar data & APRS (fwd)

To: aprssig@tapr.org

Date: Mon, 10 Apr 1995 20:55:57 -0600 (MDT)

X-Mailer: ELM [version 2.4 PL22]

Content-Type: text

Content-Length: 2305

Jack Anderson wrote back:

>

> It sounds like the Weathermation program I'm using is parsing the MDR data.
> I looked at today's data on the graphic display and the little boxes appear to
> be about 10 miles or so on a side, maybe a bit less.

Yes, there are some other programs out there like WeatherGraphix that do the same thing. Many national radar summaries use this data on a national basis but now mosaic images of Nexrad sites give a higher resolution image.

>

> The advantage I see with this (the MDR format) is that for just a few lines of
> ASCII, one can get some pretty decent graphics. I agree that the level of
> detail may not be sufficient for local operations, and that, combined with the
> latency, may make it ineffective for emergency use, i.e. Skywarn. But, it's
> hard to beat the graphic output that can be obtained with the small amount of
> data in the format.

Yes, but the RCM files are not woppers and could be transmitted via packet within a few minutes. What we (the Colorado Springs, El Paso County Skywarn folks) would like to do some day is take the RCM data (which in most places is only available on an hourly or half hourly basis) and plot it on the APRS with a close in map, say 50 mile range. Then we would take a few of our mobile spotters/chasers, put a GPS/radio for beaconing location and a voice radio for comms in their car and send them out. Imagine how effective a net controller/NWS office could be with storm and spotter data on the same screen!

>

> Where can the RCM data be obtained, and what software is needed to display
> it? I'd love to have a program that can display the radar conditions with
> more detail. The Weathermation banner talks about optional (\$) services that
> include a better radar displays - but the user needs their terminal program
> to display it.

>

I'm not sure where one gets the data yet. Maybe ask the local NWS office? I think it will become available in the same way one receives the SD data. As far as the program, I'm doing some looking around for it but have nothing yet. If I get something I'll let you know.

Craig

Craig Setzer

Internet: csetzer@rmii.com

HAM Radio: KB0MXQ

--You'll find me in the bear's cage...

From hg@penny.n2wx.ampr.org Mon Apr 10 23:30:01 1995
Received: from bbs.mpcs.com (bbs.mpcs.com [198.69.107.209]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id XAA29475 for
<aprssig@tapr.org>; Mon, 10 Apr 1995 23:29:56 -0500
Received: by bbs.mpcs.com (Smail3.1.28.1 #52)
id m0ryXVf-0007etC; Tue, 11 Apr 95 00:25 EDT
Received: (from hg@localhost) by penny.n2wx.ampr.org (8.6.9/8.6.9) id AAA00417;
Tue, 11 Apr 1995 00:15:48 -0500
Date: Tue, 11 Apr 1995 00:15:48 -0500 (EST)
From: Howard Goldstein <hg@penny.n2wx.ampr.org>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:742] Re: Doppler radar data & APRS (fwd)
In-Reply-To: <m0ryTja-0004kEC@rmii.com>
Message-ID: <Pine.LNX.3.91.950410235605.397A-100000@penny.n2wx.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 10 Apr 1995, Craig Setzer wrote:

> > >If I'm not mistaken, doppler wx radar data are proprietary. I think WSI
> > >(?) controls the dissemination.
> > >
> > >Someone correct me if I'm wrong.
>
>
> And Jack Anderson responded with:
>
> >
> > There is ASCII radar data from the NWS, the SD data sets, available from

[gobs of RAREPs snipped]

> > NHK 1925 AREA 6RW/NEW 315/105 280/150 30W C2650 MT 292/115
> > AREA 1RW/- 6/95 123/125 237/20 C2745 MT 140 AT 9/50 CVRG
> > DCRG RPDLY

> > ^IL1 JM1 LH11 L01001 MH11 NH1 OH1
> >
>

> The above SD is also called a ROB (Radar OBservation). The line
> beginning with ^IL1 is the MDR or manually digitized radar portion
> of the ROB. It is from the MDR that many plotting programs get their
> data. The letters correspond to grid boxes with MM
> being the grid box at the radar. The boxes are pretty big, I think

I'm used to calling the RAREP portion Craig calls an MDR the output of the
PPI (Plan position indicator). You can talk the responsible NWS office

out of a copy of the grid box overlay they use to generate PPI data. As Craig indicates, the boxes are quite large. So large as to perhaps be of questionable utility...

> they are about 10 miles square and are biased to the highest
> reflectivity found in the box, so that you only get a very
> rough idea of precip areas but not individual cells.
> For APRS use on a local level the MDR data may not contain
> enough detail for most users and certainly not enough for
> Skywarn/ARES/RACES/EC uses.
>

Exactly. Also the newly commissioned doppler facilities generate output with much greater resolution than the standard 6 VIP levels we're used to seeing on the crummy old 50's era systems. But neither this enhanced data nor the finer resolution available from the commercial outlets are to be found in freebie SD reports.

BOB: Does APRS decode TAF data?

Howie

--

Howard Goldstein
N2WX

hg@n2wx.ampr.org
<http://www.tapr.org/~n2wx/>

From Emmet2@aol.com Mon Apr 10 23:59:05 1995
Received: from mail06.mail.aol.com (mail06.mail.aol.com [152.163.172.108]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id XAA29678 for <aprssig@tapr.org>; Mon, 10 Apr 1995 23:59:02 -0500
From: Emmet2@aol.com
Received: by mail06.mail.aol.com (1.37.109.11/16.2) id AA072266340; Tue, 11 Apr 1995 00:59:00 -0400
Date: Tue, 11 Apr 1995 00:59:00 -0400
Message-Id: <950411005856_79016221@aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:739] Re: APRS distribution

<<

Just FYI, 1:109/239 gets the updates, usually same day as release.

>>

Are they freq'able? Can we come up with a system of being able to freq for the most recent version? This way you can post when it is available and we could freq you using the special 'word' that tells it to send only the newest version.

- Chip Griffin aka Granite
- President of Thames River Apple Users Group
- SysOp of The Quarry LLBBS (203-889-6427)
= Emmet2 (America Online) = emmet2@aol.com (internet)

= N1MIE@N10KK.CT.USA (packet) = 1:320/301 (fidonet)

From Emmet2@aol.com Tue Apr 11 01:50:23 1995
Received: from mail02.mail.aol.com (mail02.mail.aol.com [152.163.172.66]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id BAA31151 for <aprssig@tapr.org>; Tue, 11 Apr 1995 01:50:21 -0500
From: Emmet2@aol.com
Received: by mail02.mail.aol.com (1.37.109.11/16.2) id AA140053018; Tue, 11 Apr 1995 02:50:18 -0400
Date: Tue, 11 Apr 1995 02:50:18 -0400
Message-Id: <950411005852_79016154@aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:726] minimal aprs, was Re:HP96LX Palmtop

Here, here! I agree. That was my comment from the beginning. That would also be of use for a mobile unit being tracked, where you just wanted enough to process GPS and transmit/log.

I do believe, correct me if I'm wrong Keith, that you can significantly lower the RAM allocated to MacAPRS, however, you will also diminish its ability to open multiple windows (which may be not be such a setback for the cases we mentioned). Can we get a special 'stripped down' version, Keith, that is streamlined for those type operations (limit it to one window, no special data types, etc).

- Chip Griffin aka Granite
- President of Thames River Apple Users Group
- SysOp of The Quarry LLBBS (203-889-6427)
= Emmet2 (America Online) = emmet2@aol.com (internet)
= N1MIE@N10KK.CT.USA (packet) = 1:320/301 (fidonet)

From hschu@sunrise.e-technik.uni-ulm.de Tue Apr 11 02:00:41 1995
Received: from sunrise.e-technik.uni-ulm.de (sunrise.e-technik.uni-ulm.de [134.60.21.34]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id CAA31178 for <aprssig@tapr.org>; Tue, 11 Apr 1995 02:00:28 -0500
Received: by sunrise.e-technik.uni-ulm.de (4.1/UniUlm-1.1m) id AA05929; Tue, 11 Apr 95 09:00:16 +0200
From: hschu@sunrise.e-technik.uni-ulm.de (Hermann Schumacher)
Message-Id: <9504110700.AA05929@sunrise.e-technik.uni-ulm.de>
Subject: Re: [APRSSIG:732] Re: 20m, anyone?
To: aprssig@tapr.org
Date: Tue, 11 Apr 95 9:00:16 MET DST
In-Reply-To: <Pine.SUN.3.91.950410124025.18519A-1000000@panix.com>; from "Jess Girard" at Apr 10, 95 11:59 am
X-Mailer: ELM [version 2.3 PL11]

>
> On Mon, 10 Apr 1995, Hermann Schumacher wrote:
>
> >From what I heard, the 20m frequency is 14.958 MHz USB if you use the
> > AEA tones.
> >
> > 73,

> > Hermann
> > DF2DR
>
> I think not, Hermann. That's outside the amateur band. Perhaps 14.0958?
> I'll check tonight when I get home.
>
> Jess
>
>

Oops, of course 14.0958. Too much stress at the office, I apologize ...
DF2DR

--
Hermann Schumacher | hschu@ebs.e-technik.uni-ulm.de
Dept. of Electron Devices and Circuits |
University of Ulm, | office: +49 731 502-6152
D-89069 Ulm, Germany | FAX: +49 731 502-6155

Help fight leukemia - we're closing in on a killer!

From BillWB6LPG@aol.com Tue Apr 11 02:16:39 1995
Received: from mail02.mail.aol.com (mail02.mail.aol.com [152.163.172.66]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id CAA31252 for
<aprssig@tapr.org>; Tue, 11 Apr 1995 02:16:36 -0500
From: BillWB6LPG@aol.com
Received: by mail02.mail.aol.com
(1.37.109.11/16.2) id AA049954593; Tue, 11 Apr 1995 03:16:34 -0400
Date: Tue, 11 Apr 1995 03:16:34 -0400
Message-Id: <950411025235_79095973@aol.com>
To: aprssig@tapr.org
Subject: MFJ-8621 DATA RADIO

To: aprssig@tapr.org
From: billwb6lpg@aol.com

Info, re MFJ-8621 Data Radio. Ordered on 12/12/94, advise of about an 8
week delay in shipping, now 17weeks and still in non receipt. Called week
ago, advised 4 Ham's Beta testing, but no reports rcvd as yet. 50 in
warehouse

ready to be shipped if beta test ok. No required (Fed Law) 30 day notice of
non-dlvry rcvd fm MFJ, normally orders also cancelled after 60 days of non
receipt. (Fed Law). Advised all orders still on file, and will be delivered
when units tested ready to ship. 2 years ago, waited 11 weeks for a delivery
from MFJ. Is'nt it time we Hams write and raise a little cane with MFJ, this
is kinda ridiculous. They advertise long before, tested and ready to ship
they must send to China new orders and returned by slow boat from same.

Mighty Fine Junk, and we are suckers to put up with them..

73's & Enjoy, Bill WB6LPG@KA6EYH.#NOCAL.CA.USA.NOAM

From klarson@access.digex.net Tue Apr 11 05:54:36 1995
Received: from access3.digex.net (access3.digex.net [164.109.10.6]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id FAA31632 for

<aprssig@tapr.org>; Tue, 11 Apr 1995 05:54:33 -0500
Received: by access3.digex.net id AA28064
(5.67b8/IDA-1.5 for aprssig@tapr.org); Tue, 11 Apr 1995 06:54:29 -0400
Date: Tue, 11 Apr 1995 06:54:28 -0400 (EDT)
From: Kent Larson <klarson@access.digex.net>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:751] MFJ-8621 DATA RADIO
In-Reply-To: <950411025235_79095973@aol.com>
Message-Id: <Pine.SUN.3.91.950411065244.27483A-1000000@access3.digex.net>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thanks for the info Bill. I have been wanting to see what one of these looked like before I buy. I have heard that MFJ is notorious for not delivering, especially new products.

Kent

On Tue, 11 Apr 1995 BillWB6LPG@aol.com wrote:

> To: aprssig@tapr.org
> From: billwb6lpg@aol.com
>
> Info, re MFJ-8621 Data Radio. Ordered on 12/12/94, advise of about an 8
> week delay in shipping, now 17weeks and still in non receipt. Called week
> ago, advised 4 Ham's Beta testing, but no reports rcvd as yet. 50 in
> warehouse
> ready to be shipped if beta test ok. No required (Fed Law) 30 day notice of
> non-dlvry rcvd fm MFJ, normally orders also cancelled after 60 days of non
> receipt. (Fed Law). Advised all orders still on file, and will be delivered
> when units tested ready to ship. 2 years ago, waited 11 weeks for a delivery
> from MFJ. Is'nt it time we Hams write and raise a little cane with MFJ, this
> is kinda ridiculous. They advertise long before, tested and ready to ship
> they must send to China new orders and returned by slow boat from same.
> Mighty Fine Junk, and we are suckers to put up with them..
> 73's & Enjoy, Bill WB6LPG@KA6EYH.#NOCAL.CA.USA.NOAM
>
>

From mwalker@interlog.com Tue Apr 11 06:54:37 1995
Received: from gold.interlog.com (gold.interlog.com [198.53.145.2]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id GAA31762 for
<aprssig@tapr.org>; Tue, 11 Apr 1995 06:54:34 -0500
Received: from interlog.com (mwalker.interlog.com [199.212.152.131]) by
gold.interlog.com (8.6.9/8.6.9) with SMTP id HAA16356 for < aprssig@tapr.org>;
Tue, 11 Apr 1995 07:54:31 -0400
Message-Id: <199504111154.HAA16356@gold.interlog.com>
Date: Tue, 11 Apr 95 07:51:24 EDT
From: mwalker@interlog.com (Mike Walker)
Reply-To: mwalker@interlog.com (Mike Walker)
To: aprssig@tapr.org
X-Mailer: PMMail v1.05
Subject: Re: [APRSSIG:751] MFJ-8621 DATA RADIO

On Tue, 11 Apr 1995 02:34:24 -0500 you wrote:

>To: aprssig@tapr.org
>From: billwb6lpg@aol.com
>
>Info, re MFJ-8621 Data Radio. Ordered on 12/12/94, advise of about an 8
>week delay in shipping, now 17weeks and still in non receipt. Called week
>ago, advised 4 Ham's Beta testing, but no reports rcvd as yet. 50 in
>warehouse
>ready to be shipped if beta test ok. No required (Fed Law) 30 day notice of
>non-dlvry rcvd fm MFJ, normally orders also cancelled after 60 days of non
>receipt. (Fed Law). Advised all orders still on file, and will be delivered
>when units tested ready to ship. 2 years ago, waited 11 weeks for a delivery
>from MFJ. Is'nt it time we Hams write and raise a little cane with MFJ, this
>is kinda ridiculous. They advertise long before, tested and ready to ship
>they must send to China new orders and returned by slow boat from same.
> Mighty Fine Junk, and we are suckers to put up with them..
>73's & Enjoy, Bill WB6LPG@KA6EYH.#NOCAL.CA.USA.NOAM
>
>

I think ham are now seeing how MFJ works...

I manage a very large ham radio store in Canada, and we have to fight tooth and nail to get stock. It is not uncommon to wait 6 months for a specific product. It makes if very frustrating to keep our customers satisfied. This is just not a one time thing. It happens all the time.

The scarry part is that MFJ have now acquired Mirage Amplifiers.

Mike Walker
127 High St. W.
Mississauga, ON
L5H 1K4

mwalker@interlog.com
rf: va3mw@va3bbs

From janderson@ram.net Tue Apr 11 07:52:14 1995
Received: from ram.net (ram.net [199.97.216.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id HAA32122 for <aprssig@tapr.org>; Tue, 11 Apr 1995 07:52:07 -0500
Received: by ram.net (5.65/1.3-eef)
id AA18432; Tue, 11 Apr 95 08:51:16 -0400
From: janderson@ram.net (Jack Anderson)
To: aprssig@tapr.org
Subject: Re: [APRSSIG:748] Re: APRS distribution
Date: Tue, 11 Apr 95 08:51:53 GMT
Message-Id: <15021591.0aa6@ram.net>
Version: RAMail 2.8n

>Just FYI, 1:109/239 gets the updates, usually same day as release.

>>>

>

>Are they freq'able? Can we come up with a system of being able to freq for
>the most recent version? This way you can post when it is available and we
>could freq you using the special 'word' that tells it to send only the newest
>version.

They are freqable using the full name of the distro file. I haven't set up a magic name yet but I will look into it.

Jack

From bruninga@greatlakes.nadn.navy.mil Tue Apr 11 08:46:58 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id IAA32467 for
<aprssig@tapr.org>; Tue, 11 Apr 1995 08:46:53 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA03094; Tue, 11 Apr 95 09:46:09 EDT
Date: Tue, 11 Apr 1995 09:46:08 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Vers 6.8a and /raw*
Message-Id: <Pine.SUN.3.91.950411094045.2986B-100000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well, I finally figured out why some folks are seeing the /raw* without the rest of the lat/long posit. And of course it is the result of the efforts I have been making on cleaning up the HSP mode. In 6.8 i grab the first GGA, GLL, RMC that comes along, and lock out any more until the HSP is complete. The problem is that I didn't lock out enough! The GLL that is "locked out" after a GGA has already been received is still generating a POSIT, but without a lat/long! Trivial to fix.. Will be in version 6.8a by Monday evening.... sorry...

I recommend that everyone halt further distro of 6.8 in areas where there are GPS stand-alone-trackers on the air.

From bruninga@greatlakes.nadn.navy.mil Tue Apr 11 09:03:30 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id JAA32613 for
<aprssig@tapr.org>; Tue, 11 Apr 1995 09:03:25 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA03383; Tue, 11 Apr 95 10:02:42 EDT
Date: Tue, 11 Apr 1995 10:02:41 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:751] MFJ-8621 DATA RADIO
In-Reply-To: <950411025235_79095973@aol.com>
Message-Id: <Pine.SUN.3.91.950411095428.2986D-100000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 11 Apr 1995 someone wrote:

> Info, re MFJ-8621 Data Radio. Ordered on 12/12/94, advise of about an 8
> week delay in shipping, now 17weeks and still in non receipt. Called week
>...
> receipt. (Fed Law). Advised all orders still on file, and will be
>...
> Is'nt it time we Hams write and raise a little cane with MFJ,...?

Yes, but its the only game in town? Can anyone find a \$119 5 watt 2m
radio anywhere else? I would buy it anywhere I could find it! hi hi
They have been upfront on the phone and said there
is a technical problem and they are trying to fix it. I'd rather finally
get a good radio than one with bugs (don't laugh you guys! software is
different... hi hi)

And the pre-advertising is frustrating, but at least we know its
comming... Id rather know a cheapie is about to be released before I
spend another \$350 for a 2m data radio..

From klarson@access.digex.net Tue Apr 11 09:25:27 1995

Received: from access3.digex.net (access3.digex.net [164.109.10.6]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id JAA32704 for
<aprssig@tapr.org>; Tue, 11 Apr 1995 09:25:24 -0500

Received: by access3.digex.net id AA11139

(5.67b8/IDA-1.5 for aprssig@tapr.org); Tue, 11 Apr 1995 10:25:00 -0400

Date: Tue, 11 Apr 1995 10:24:58 -0400 (EDT)

From: Kent Larson <klarson@access.digex.net>

To: aprssig@tapr.org

Subject: Re: [APRSSIG:756] Re: MFJ-8621 DATA RADIO

In-Reply-To: <Pine.SUN.3.91.950411095428.2986D-100000@greatlakes.nadn.navy.mil>

Message-Id: <Pine.SUN.3.91.950411102414.10956A-100000@access3.digex.net>

Mime-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Good points - but I sure would like to see one.

Kent

On Tue, 11 Apr 1995, Robert Bruninga wrote:

>
> On Tue, 11 Apr 1995 someone wrote:
>
> > Info, re MFJ-8621 Data Radio. Ordered on 12/12/94, advise of about an 8
> > week delay in shipping, now 17weeks and still in non receipt. Called week
> >...
> > receipt. (Fed Law). Advised all orders still on file, and will be
> >...
> > Is'nt it time we Hams write and raise a little cane with MFJ,...?
>
> Yes, but its the only game in town? Can anyone find a \$119 5 watt 2m
> radio anywhere else? I would buy it anywhere I could find it! hi hi

> They have been upfront on the phone and said there
> is a technical problem and they are trying to fix it. I'd rather finally
> get a good radio than one with bugs (don't laugh you guys! software is
> different... hi hi)

>

> And the pre-advertising is frustrating, but at least we know its
> coming... Id rather know a cheapie is about to be released before I
> spend another \$350 for a 2m data radio..

>

From kinahan@ws007-fddi.bytex.network.com Tue Apr 11 10:29:27 1995
Received: from mail1.bytex.network.com (mail1.bytex.network.com [129.191.225.6])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id KAA00326 for
<aprssig@tapr.org>; Tue, 11 Apr 1995 10:29:22 -0500
Received: from ws007-fddi ([129.191.237.7]) by mail1.bytex.network.com (4.1/
SMI-4.1)

id AA16660; Tue, 11 Apr 95 10:36:09 EDT

Received: by ws007-fddi (4.1/SMI-4.1)

id AA24097; Tue, 11 Apr 95 10:37:52 EDT

Date: Tue, 11 Apr 95 10:37:52 EDT

From: kinahan@ws007-fddi.bytex.network.com (Tom Kinahan @ws007)

Message-Id: <9504111437.AA24097@ws007-fddi>

To: aprssig@tapr.org

Subject: Boston Marathon Maps

In preparation for APRS work at the Boston Marathon on April 17th, I've
uploaded maps of the marathon course and some of the towns it passes through
to: ftp.tapr.org in /tapr/SIG/aprssiig/upload called baarun1.zip and another
file which has an incomplete overlay of marathon aid locations: baa.bk.

When you unzip it, you'll need to copy maplist.ba to your aprs directory and
change your maplist to maplist.ba (F-C-BA).

These maps come to us courtesy of W1KRU.

- Tom Kinahan N1CPE

kinahan@bytex.network.com

From jan@archimedes.vislabs.navy.mil Tue Apr 11 10:56:44 1995

Received: from archimedes.vislabs.navy.mil (archimedes.chinalake.navy.mil
[129.131.31.8]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id KAA00497
for <aprssig@tapr.org>; Tue, 11 Apr 1995 10:56:40 -0500

Received: from [129.131.31.10] (gawain.vislabs.navy.mil [129.131.31.10]) by
archimedes.vislabs.navy.mil (current-1701B/current-CL-CL) with SMTP id IAA06300 for
<aprssig@tapr.org>; Tue, 11 Apr 1995 08:58:41 -0700

Date: Tue, 11 Apr 1995 08:58:41 -0700

Posted-Date: Tue, 11 Apr 1995 08:58:41 -0700

Message-Id: <199504111558.IAA06300@archimedes.vislabs.navy.mil>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

To: aprssig@tapr.org

From: jan@archimedes.vislabs.navy.mil (Jan A. Barglowski)

Subject: Re: [APRSSIG:756] Re: MFJ-8621 DATA RADIO

[some discussion deleted...]

>> Is'nt it time we Hams write and raise a little cane with MFJ,...?
>

>Yes, but its the only game in town? Can anyone find a \$119 5 watt 2m
>radio anywhere else? I would buy it anywhere I could find it! hi hi

Isn't this the same group that pieces together GPS boards to TNC's? I'd figure most of us *could* piece together a radio in that price range rather easily! Try swapmeets, old HT's, old commercial rigs, etc. I see HTX-202's for less than \$200 on my BBS, and would think they'd perform much better than anything MFJ could produce. Of course, I don't have a high opinion of MFJ's equipment...

>They have been upfront on the phone and said there
>is a technical problem and they are trying to fix it. I'd rather finally
>get a good radio than one with bugs (don't laugh you guys! software is
>different... hi hi)

I'd rather get a good radio to begin with...

There is a lot of decent 2m radio gear out there, from lightweight RF deck boards that you throw into your own chasis to boat-anchor Micors. Maybe MFJ's radios will fit in a niche in the market, but they're not the only "only game in town", but then again, you may not find it "off the shelf"...

73, jan
kc6uth

Jan Anthony Barglowski	Phone: (619) 927-1057
Computer Dude	Internet: jan@archimedes.nwc.navy.mil
Visualization Lab	Packet: SYSOP@WA6YBN.#SOCA.CA.US.NA
Naval Air Warfare Center	kc6uth@kc6uth.ampr.org
-Weapons Division	[44.17.2.6]

From seront@seism1.ess.sunysb.edu Tue Apr 11 11:47:47 1995
Received: from CCMail.SUNYSB.EDU (ccmail.sunysb.edu [129.49.1.103]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id LAA00879 for <aprssig@tapr.org>; Tue, 11 Apr 1995 11:47:44 -0500
Received: from seism1.ess.sunysb.edu by ccmail.sunysb.edu (PMDF V4.3-7 #5424) id <01HP70PAQLBKR95SHX@ccmail.sunysb.edu>; Tue, 11 Apr 1995 12:47:20 EDT
Received: from corto (corto.ess.sunysb.edu) by seism1.ess.sunysb.edu (4.1/SMI-4.1) id AA05056; Tue, 11 Apr 95 12:46:38 EDT
Date: Tue, 11 Apr 1995 12:48:06 -0500
From: seront@seism1.ess.sunysb.edu (Bernard Seront)
Subject: Re: [APRSSIG:759] Re: MFJ-8621 DATA RADIO
X-Sender: seront@seism1.ess.sunysb.edu
To: aprssig@tapr.org, aprssig@tapr.org
Message-id: <9504111646.AA05056@seism1.ess.sunysb.edu>
MIME-version: 1.0
X-Mailer: <PC Eudora Version 1.4>
Content-type: text/plain; charset="us-ascii"

Content-transfer-encoding: 7BIT

At 11:05 AM 4/11/95 -0500, Jan A. Barglowski wrote:

>[some discussion deleted...]

>

>>> Is'nt it time we Hams write and raise a little cane with MFJ,...?

>>

>>Yes, but its the only game in town? Can anyone find a \$119 5 watt 2m

>>radio anywhere else? I would buy it anywhere I could find it! hi hi

>

>....HTX-202's for less than \$200 on my BBS, and would think they'd perform much

>better than anything MFJ could produce. Of course, I don't have a high

>opinion of MFJ's equipment...

>

as was pointed yesterday,you actually see brand new HTX-202's for less than \$200 in every radio shack store!

Seems to me a very good deal compared with all the mfj's story. The guys in radio shack stores certainly know nothing about ham radio, but at least the item is available everywhere from east to west coast.

By the way, I have the mfj 5/8 2m mobile antenna (magnet mount), and this one performs well. The magnet looks quite small, but I never had any problem, including at 75 mph (no, not on the expressway, I rented an racetrack especially for the test, hi, hi).

For 25\$ it's exactly what we need to make an easily installed mobile station.

Concerning these hand helds I have a question: does someone know where I can find the double jack connector used for the speaker and mike connection? I'm tired of wiring two jacks at the end of one cable (and this is not reliable).

Bernard, KB2TGH

From janderson@ram.net Tue Apr 11 12:55:03 1995

Received: from ram.net (ram.net [199.97.216.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id MAA01338 for <aprssig@tapr.org>; Tue, 11 Apr 1995 12:55:00 -0500

Received: by ram.net (5.65/1.3-eef)

id AA24249; Tue, 11 Apr 95 13:54:09 -0400

From: janderson@ram.net (Jack Anderson)

To: aprssig@tapr.org

Subject: Re: [APRSSIG:760] Re: MFJ-8621 DATA RADIO

Date: Tue, 11 Apr 95 13:54:58 GMT

Message-Id: <15021591.0aa9@ram.net>

Version: RAMail 2.8n

Location: ANNANDALE-PARLIAMENT (280) ANNANDALE, VA

>Concerning these hand helds I have a question: does someone know where I can
>find the double jack connector used for the speaker and mike connection? I'm
>tired of wiring two jacks at the end of one cable (and this is not reliable)

MFJ makes 'em already wired for your TNC and radio, about \$15. Most ham stores stock them.

Jack

From mmunster@qualcomm.com Tue Apr 11 13:39:02 1995

Received: from happy.qualcomm.com (happy.qualcomm.com [129.46.50.16]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id NAA01580 for <aprssig@tapr.org>; Tue, 11 Apr 1995 13:38:57 -0500

Received: from [129.46.12.181] (mmunster-mac.qualcomm.com [129.46.12.181]) by happy.qualcomm.com (8.6.10/QC-BSD-2.5) with SMTP id LAA15553 for <aprssig@tapr.org>; Tue, 11 Apr 1995 11:38:46 -0700

X-Sender: mmunster@happy

Message-Id: <abb08a2a2d0210047694@[129.46.12.181]>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Tue, 11 Apr 1995 11:38:49 -0800

To: aprssig@tapr.org

From: mmunster@qualcomm.com (Marvin Munster x5388)

Subject: Re: [APRSSIG:753] Re: MFJ-8621 ;)

You guys just don't understand. MFJ was bought out by MicroSoft and has imposed the marketing strategy of the Windows 95 product on the company. This says that they must announce a product as "ALMOST complete, and will ship soon". This announcement is made the day it goes into the lab for development. This prevents you from going out and buying what is already available. ;)

(this is still April isn't it?)

Marvin - WB6PKK

>On Tue, 11 Apr 1995 02:34:24 -0500 you wrote:

>

>>To: aprssig@tapr.org

>>From: billwb6lpg@aol.com

>>

>>Info, re MFJ-8621 Data Radio. Ordered on 12/12/94, advise of about an 8
>>week delay in shipping, now 17weeks and still in non receipt. Called week
>>ago, advised 4 Ham's Beta testing, but no reports rcvd as yet. 50 in
>>warehouse

>>ready to be shipped if beta test ok. No required (Fed Law) 30 day notice of
>>non-dlvry rcvd fm MFJ, normally orders also cancelled after 60 days of non
>>receipt. (Fed Law). Advised all orders still on file, and will be delivered
>>when units tested ready to ship. 2 years ago, waited 11 weeks for a delivery
>>from MFJ. Is'nt it time we Hams write and raise a little cane with MFJ, this
>>is kinda ridiculous. They advertise long before, tested and ready to ship
>>they must send to China new orders and returned by slow boat from same.

>> Mighty Fine Junk, and we are suckers to put up with them..

>>73's & Enjoy, Bill WB6LPG@KA6EYH.#NOCAL.CA.USA.NOAM

>>

>>

>

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>

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>tooth and nail to get stock. It is not uncommon to wait 6 months for
>a specific product. It makes if very frustrating to keep our
>customers satisfied. This is just not a one time thing. It happens
>all the time.

>

>The scarry part is that MFJ have now acquired Mirage Amplifiers.

>

>

>

>Mike Walker mwalker@interlog.com
>127 High St. W. rf: va3mw@va3bbs
>Mississauga, ON
>L5H 1K4

From bruninga@greatlakes.nadn.navy.mil Tue Apr 11 16:39:27 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id QAA02552 for
<aprssig@tapr.org>; Tue, 11 Apr 1995 16:39:23 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA09848; Tue, 11 Apr 95 17:38:28 EDT
Date: Tue, 11 Apr 1995 17:38:28 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: BETA test of 6.8a
Message-Id: <Pine.SUN.3.91.950411173612.9843A-1000000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well shonuff, 68 may crash on some VTG's and you may be seeing /raw*
without any lat/long. I think I found it for sure this time. Try
getting BETAX.zip on 410-280-2503 if you are having problems with GPS,
HSP or tracking stand alone trackers. IHope this does it....

If its ok, it also provides fullll FROM callsigns on the BULLETIN and the
TRAFFIC pages so you know who is sending what, without ambiguity...

From paul@paccomm.com Tue Apr 11 19:13:55 1995
Received: from paccomm.com ([163.125.30.1]) by dingus.n5lyt.datarace.com
(8.6.10/8.6.9) with SMTP id TAA03103 for <aprssig@tapr.org>; Tue, 11 Apr 1995
19:13:45 -0500
X-BBS-Msg-Type: P
Date: Tue, 11 Apr 95 09:03:59 UTC
Message-Id: <2567@paccomm.com>
From: paul@paccomm.com
To: aprssig@tapr.org
Subject: Wow! good reaction....

Well, it's good to see the amateur spirit alive and well and following
a lead so quickly and decisively! I think we should now consolidate
all the facts about Doppler radar, the data providers and legalities
of dissemination to the masses.....

On the propriety nature (if any). If the data were taken from a legitimate source, passed through APRS and put into a (better) APRS over-the-air format, then we are NOT using their data format, we're just gathering it and putting it out as OUR data. Does everybody agree that that gets around any difficulties ???? Or I have I not realised just how stupid corporate law is in USA yet?(!)

I think we should now await Bob's reaction, because he's 99.9999% likely to be the one to code it.

A word of caution: I think this could be extremely powerful and useful and we should take all efforts to do the data formatting RIGHT.

The 3D mode in APRS could be especially useful here if we can get the right altitude return data.

Finally, we might not have to rely on either (a) paying for cable (b) trusting the idiots at the local TV station (especially Ch10 Tampa!!!!!!) for reliable weather data.....

Paul

Paul Evans, W4/G4BKI paul@paccomm.com
+1 (813) 874-2980 Fax:+1 (813) 872-8696 BBS: +1 (813) 874-3078 (V.34)
The views expressed in this message are not necessarily those of PacComm.
Vice President of Florida CW Contest Group
Runners-up in NAQP CW at our FIRST attempt
PacComm Packet Radio Systems, Inc., 4413 N. Hesperides St., Tampa, FL 33614-7618
From cap@cruzio.com Tue Apr 11 20:52:57 1995
Received: from mail3.netcom.com (mail3.netcom.com [192.100.81.127]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id UAA03512 for
<aprssig@tapr.org>; Tue, 11 Apr 1995 20:52:55 -0500
Received: from cruzio.com by mail3.netcom.com (8.6.12/Netcom)
id SAA23586; Tue, 11 Apr 1995 18:52:49 -0700
Message-Id: <199504120152.SAA23586@mail3.netcom.com>
Subject: Re: [APRSSIG:763] BETA test of 6.8a
To: aprssig@tapr.org
Date: Tue, 11 Apr 95 18:51:11 PDT
From: Cap Pennell <cap@cruzio.com>
In-Reply-To: <Pine.SUN.3.91.950411173612.9843A-100000@greatlakes.nadn.navy.mil>;
from "Robert Bruninga" at Apr 11, 95 4:53 pm
X-Mailer: ELM [version 2.3 PL0]

Robert Bruninga writes:

> Well shonuff, 68 may crash on some VTG's and you may be seeing /raw*
> without any lat/long. I think I found it for sure this time. Try
> getting BETAX.zip on 410-280-2503 if you are having problems with GPS,
> HSP or tracking stand alone trackers. IHope this does it....
> .-
I hope so too. In 68 I was able to see \$GPRMC (_or_ \$GPGLL if I hit Alt-S,G,G).
I saw RAW* for the other strings. I hope to see \$GPGLL and \$GPVTG together
from stand-alone trackers to get position, altitude, course, and velocity.
Keep up the good work. 73.

--

+-----+
Cap Pennell email: cap@cruzio.com
Santa Cruz, CA packet radio: ke6afe@kg6ee.#nocal.ca.usa.noam

Lat:36deg,58mins,55secsN. Long:122deg,00mins,53secsW.

+-----+

From RRRROSS@delphi.com Tue Apr 11 21:05:12 1995
Received: from bos1b.delphi.com (bos1b.delphi.com [192.80.63.4]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id VAA03537 for
<aprssig@tapr.org>; Tue, 11 Apr 1995 21:05:10 -0500
From: RRRROSS@delphi.com
Received: from delphi.com by delphi.com (PMDF V4.3-9 #7804)
id <01HP884B2C749208FK@delphi.com>; Tue, 11 Apr 1995 22:05:02 -0500 (EST)
Date: Tue, 11 Apr 1995 22:05:02 -0500 (EST)
Subject: Re: [APRSSIG:751] MFJ-8621 DATA RADIO
To: aprssig@tapr.org
Message-id: <01HP884B2LUQ9208FK@delphi.com>
X-VMS-To: IN%"aprssig@tapr.org"
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII
Content-transfer-encoding: 7BIT

Yep, Bill, that is exactly why I bought my Kam+! I was going to buy
MFJ but couldn't get delivery, so went with Kam and HAVE NEVER REGRETED
MY DECISION!

73's de N7RBP

From dougs@ccnet.com Tue Apr 11 21:46:42 1995
Received: from ccnet.ccnet.com (ccnet.ccnet.com [192.215.96.2]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id VAA03724 for
<aprssig@tapr.org>; Tue, 11 Apr 1995 21:46:39 -0500
Received: from ccnet.com (h96-235.ccnet.com [192.215.96.235]) by ccnet.ccnet.com
(8.6.12/8.6.9) with SMTP id TAA01819 for <aprssig@tapr.org>; Tue, 11 Apr 1995
19:43:46 -0700
Message-Id: <Chameleon.950410193602.dougs@ccnet.com>
Date: Mon, 10 Apr 95 19:33:53 PDT
Reply-To: dougs@ccnet.com (Doug Smith)
From: dougs@ccnet.com (Doug Smith)
To: aprssig@tapr.org
Subject: RE: [APRSSIG:739] Re: APRS distribution

>>Would you consider including the FidoNet node numbers of the BBS's that
>>distribute new releases of APRS in the doc's somewhere? Also, you might

I try to be on top of latest versions here since I'm also a
registered APRS user and interest is high in my area. Fido
161/911 510-827-5714. I don't have a log of file space so not
all of the various distribution files are available here.

ORIGIN: Doug Smith dougs@ccnet.com
Pleasant Hill, CA <http://www.ccnet.com/~dougs>
WA6GON Packet/APRS/RTTY/SWL
Sysop Douglas.Smith@f911.n161.z1.fidonet.org

From janderson@ram.net Tue Apr 11 22:04:37 1995
Received: from ram.net (ram.net [199.97.216.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id WAA03822 for <aprssig@tapr.org>; Tue, 11 Apr 1995 22:04:34 -0500
Received: by ram.net (5.65/1.3-eef)
id AA29583; Tue, 11 Apr 95 23:03:35 -0400
From: janderson@ram.net (Jack Anderson)
To: aprssig@tapr.org
Subject: Magic name for APRS
Date: Tue, 11 Apr 95 23:04:13 GMT
Message-Id: <15021591.0ab5@ram.net>
Version: RAMail 2.8n
Location: TYSON'S CORNER (2712) MCLEAN, VA

For Fido mailers that want to FREQ the latest version of APRS, I've set up the magic name of APRS at 1:109/239. This should deliver the current version. The latest version of APRS is usually uploaded to my system the same day of release, or next day after (right, Bernie?).

Try to use the full distribution name if possible, since I've set up a wildcard (APRS*.ZIP) for the magic name, and it's possible that you may catch me at a time when the newest version has just been uploaded, and I haven't had a chance to delete the old version. In this case, the system will try to send the newer version first, so at least you'll have a chance to abort the FREQ if you see an older version coming your way after a successful transfer of the latest copy.

Jack

From janderson@ram.net Tue Apr 11 22:06:27 1995
Received: from ram.net (ram.net [199.97.216.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id WAA03840 for <aprssig@tapr.org>; Tue, 11 Apr 1995 22:06:24 -0500
Received: by ram.net (5.65/1.3-eef)
id AA29607; Tue, 11 Apr 95 23:05:34 -0400
From: janderson@ram.net (Jack Anderson)
To: aprssig@tapr.org
Subject: Magic name for APRS - additional
Date: Tue, 11 Apr 95 23:06:20 GMT
Message-Id: <15021591.0ab6@ram.net>
Version: RAMail 2.8n
Location: ANNANDALE-PARLIAMENT (280) ANNANDALE, VA

For Fido mailers that want to FREQ the latest version of APRS, I've set up the magic name of APRS at 1:109/239. This should deliver the current version. The latest version of APRS is usually uploaded to my system the same day of release, or next day after (right, Bernie?).

Try to use the full distribution name if possible, since I've set up a wildcard (APRS*.ZIP) for the magic name, and it's possible that you may catch me at a time when the newest version has just been uploaded, and I haven't had a chance to delete the old version. In this case, the system will try to send the newer version first, so at least you'll have a chance to abort the

FREQ if you see an older version coming your way after a successful transfer of the latest copy.

Also, I have a pretty good library of APRS utilities, along with other ham related stuff. FREQ the magic name FILELIST for a complete listing of freqable files.

Jack

From W2HOB@aol.com Wed Apr 12 05:08:30 1995
Received: from mail02.mail.aol.com (mail02.mail.aol.com [152.163.172.66]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id FAA05872 for <aprssig@tapr.org>; Wed, 12 Apr 1995 05:08:28 -0500
From: W2HOB@aol.com
Received: by mail02.mail.aol.com
(1.37.109.11/16.2) id AA241831307; Wed, 12 Apr 1995 06:08:27 -0400
Date: Wed, 12 Apr 1995 06:08:27 -0400
Message-Id: <950412060638_80411390@aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:763] BETA test o...

I like the full callsigns on the B and T pages... takes all the guesswork out of identifying who's who! Thanks.

From Jon_Dickason@wb.xerox.com Wed Apr 12 07:35:05 1995
Received: from alpha.xerox.com (alpha.Xerox.COM [13.1.64.93]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id HAA06228 for <aprssig@tapr.org>; Wed, 12 Apr 1995 07:34:52 -0500
From: Jon_Dickason@wb.xerox.com
Received: from pandora.cinops.xerox.com ([13.250.20.7]) by alpha.xerox.com with SMTP id <14457(6)>; Wed, 12 Apr 1995 05:34:00 PDT
Received: from x-wb-ngm-smtp.cinops.xerox.com by pandora.cinops.xerox.com (4.1/SMI-4.1)
id AA16487; Wed, 12 Apr 95 08:43:33 EDT
X-Nvlenv-01Date-Transferred: 12-Apr-1995 08:31:37 -0400; at
X-MC-0300-MS1.xerox
X-Nvlenv-01Date-Transferred: 12-Apr-1995 8:32:33 -0400; at
X-WB-NGM-SMTP.XEROX
X-Nvlenv-01Date-Posted: 12-Apr-1995 08:29:35 -0500; at
x-wb-0129-ms1.xerox
Date: Wed, 12 Apr 1995 05:32:27 PDT
To: aprssig@tapr.org
Subject: subscribe
Message-Id: <"<1AD38B2F81CC2776>1AD38B2F81CC2776@x-wb-0129-ms1.xerox"@-SMF->

subscribe

From rsmith@internetMCI.COM Wed Apr 12 11:31:40 1995
Received: from mailsrv1.pcy.mci.net ([204.70.138.5]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id LAA07229 for <aprssig@tapr.org>; Wed, 12 Apr 1995 11:31:34 -0500
Received: from [204.71.164.23] (dialup23.Washington.mci.net)
by MAILSRV1.PCY.MCI.NET (PMDF V4.3-12 #10044)
id <01HP92FF851S95MS2Q@MAILSRV1.PCY.MCI.NET>; Wed,
12 Apr 1995 12:31:04 +0000 (GMT)

Date: Wed, 12 Apr 1995 12:31:26 -0500
From: Bob Smith <rsmith@internetMCI.COM>
Subject: Recommended GPS unit?
To: "aprssig@tapr.org" <aprssig@tapr.org>
Message-id: <01HP92FFRLSI95MS2Q@MAILSRV1.PCY.MCI.NET>
X-Mailer: E-Mail Connection vb.2.5.02
Content-transfer-encoding: 7BIT

-- [From: Bob Smith * EMC.Ver #b.2.5.02] --

As it says - want wat of these suckers for APRS good times - which is the current favourite of the group.

Thanks
Bob Smith,
N3FTU.

From rsmith@internetMCI.COM Wed Apr 12 11:31:49 1995
Received: from mailsrv1.pcy.mci.net ([204.70.138.5]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id LAA07247 for <aprssig@tapr.org>; Wed, 12 Apr 1995 11:31:41 -0500
Received: from [204.71.164.23] (dialup23.Washington.mci.net) by MAILSRV1.PCY.MCI.NET (PMDf V4.3-12 #10044) id <01HP92FIVJWW95MS2S@MAILSRV1.PCY.MCI.NET>; Wed, 12 Apr 1995 12:31:09 +0000 (GMT)
Date: Wed, 12 Apr 1995 12:31:31 -0500
From: Bob Smith <rsmith@internetMCI.COM>
Subject: Re: HP96LX Palmtop
To: "aprssig@tapr.org" <aprssig@tapr.org>
Message-id: <01HP92FJEXTU95MS2S@MAILSRV1.PCY.MCI.NET>
X-Mailer: E-Mail Connection vb.2.5.02
Content-transfer-encoding: 7BIT

-- [From: Bob Smith * EMC.Ver #b.2.5.02] --

Use a 100LX with a KPC3 to a TH-78. Just got APRS running on a 100LX but I had to disable the built in applications. No way will work on a 95LX - had one before the 100LX and know it pretty well - you will be able to do straight packet and act as an APRS node I suppose if you know the right beacon string.

ALL:

HOW DO WE INTERFACE GPS UNITS WITH THESE SYSTEMS????

WHICH ONES DO YOU SUGGGEST??

You wrote:

>

```

>The following is a packet message from a local Ham that has a very good
idea
>as to miniaturizing his mobile GPS/Packet equipment. Anyone out there
have
>any ideas?
>
>73 de Mike KE6EGK
>AOL MikeKE6EGK
>Internet MikeKE6EGK@aol.com
>-----
>-----
>-----
>
>
>>From      : AC6JA
>To         : APRS@ALLUS
>Type/status : BH
>Date/time  : 30-Mar 21:50
>BID (MID)  : 14139_KA6EYH
>Message #  : 79675
>Title      : APRS ON PALMTOP?
>
>HI THERE.
>
>NAME HERE IS MIKE AND I LIVE IN FOSTER CITY, CALIFORNIA. I WOULD BE
>INTERESTED IN HEARING FROM ANYONE WHO HAS SUCCESSFULLY USED THE APRS
PROGRAM
>ON A PALMTOP COMPUTER. PRESENTLY I HAVE A HEWLETT PACKARD HP95LX AND A
KAN-
>TRONICS KPC-3 VERSION 6.0 AND A RADIO SHACK HTX-202. I HAVE BEEN ABLE
TO USE
>THIS SETUP FOR REGULAR PACKET OPERATIONS, BUT I WOULD BE INTERESTED IF
THE
>APRS PROGRAM WOULD BE CAPABLE OF RUNNING ON THE PALMTOP, MAINLY DUE TO
THE
>SMALL SIZE OF THE SCREEN (40 X 16) AS OPPOSED TO STANDARD 80 X 25. ANY
HELP
>WOULD BE GREATLY APPRECIATED.
>THANKS!
>
>--- End of message #79675 to APRS from AC6JA ---

```

We're running the current version on the HP200LX with no problems! We simply have the maps we need and the SYSTEM files, and the few from the root and it works great!

We've been trying to work the digital modes into public service events...when everyone sees this neat stuff, heads turn! Dan

```

-----
dvelez@ix.netcom.com or N4WZR@N4LXI.VA.NOAM
A0000GA! A0000GA! DIVE! DIVE! DIVE!
-----

```

----- FORWARD, End of original message -----

From mead@skat.usc.edu Wed Apr 12 12:25:43 1995
Received: from skat.usc.edu (skat.usc.edu [128.125.253.131]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id MAA07578 for
<aprssig@tapr.org>; Wed, 12 Apr 1995 12:25:39 -0500
Received: from hamal.usc.edu (mead@hamal.usc.edu [128.125.18.25])
by skat.usc.edu (8.6.10/8.6.4) with ESMTP
id KAA14975 for <aprssig@tapr.org>; Wed, 12 Apr 1995 10:25:37 -0700
Received: (mead@localhost)
by hamal.usc.edu (8.6.10/8.6.7+ucs)
id KAA04819; Wed, 12 Apr 1995 10:25:37 -0700
Date: Wed, 12 Apr 95 10:25:36 PDT
From: Dick Mead <mead@skat.usc.edu>
To: aprssig@tapr.org
Subject: Getting files
Message-ID: <CMM.0.90.2.797707536.mead@hamal.usc.edu>

I run a small bbs in SoCal, not associated with anyone else nor networked
but I try to keep the currently available APRS and MacAPRS releases
available. As soon as I see an ftp site, I usually grab and put up
the latest. Just another source, in case your favorite line is busy
and you can't squeeze in...

Pasadena Znode 36
(818) 799-1632
up to 14k4
24 hrs
free

Dick WB6NGC
From MikeKE6EGK@aol.com Wed Apr 12 13:49:50 1995
Received: from mail02.mail.aol.com (mail02.mail.aol.com [152.163.172.66]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id NAA08141 for
<aprssig@tapr.org>; Wed, 12 Apr 1995 13:49:47 -0500
From: MikeKE6EGK@aol.com
Received: by mail02.mail.aol.com
(1.37.109.11/16.2) id AA228042586; Wed, 12 Apr 1995 14:49:46 -0400
Date: Wed, 12 Apr 1995 14:49:46 -0400
Message-Id: <950412144820_80811565@aol.com>
To: aprssig@tapr.org
Subject: FTP sites.

Hello to all on the SIG. I am fairly new the internet, and new to the SIG. I
have been using the FTP.tapr.org FTP site for downloading the latest versions
of APRS. This site does not appear to carry the Beta versions when they are
released, and I would like to see them before the newly released version come
out. (it is fun to run Betas) Are there any FTP sites that do carry the
Betas, and where might they be found? Any help would be highly appreciated.

TNX

73 de Mike

MikeKE6EGK@aol.com

KE6EGK@KA6JLT.#NOCA.CA.USA.NOAM

From gerry@cs.tamu.edu Wed Apr 12 13:51:44 1995

Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id NAA08162 for

<aprssig@tapr.org>; Wed, 12 Apr 1995 13:51:41 -0500

Received: from logrus.cs.tamu.edu (2961@logrus.cs.tamu.edu [128.194.132.110]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id NAA24760 for <aprssig@tapr.org>; Wed, 12 Apr 1995 13:51:40 -0500

From: Gerald J Creager <gerry@cs.tamu.edu>

Received: (gerry@localhost) by logrus.cs.tamu.edu (8.6.10/8.6.4) id NAA26960 for aprssig@tapr.org; Wed, 12 Apr 1995 13:51:37 -0500

Message-Id: <199504121851.NAA26960@logrus.cs.tamu.edu>

Subject: Re: [APRSSIG:774] Getting files

To: aprssig@tapr.org

Date: Wed, 12 Apr 1995 13:51:36 -0500 (CDT)

In-Reply-To: <CMM.0.90.2.797707536.mead@hamal.usc.edu> from "Dick Mead" at Apr 12, 95 12:33:16 pm

X-Mailer: ELM [version 2.4 PL23]

Content-Type: text

Content-Length: 468

Plus or minus seeing info that a release is pretty stable, I grab it and post it on w5ac.tamu.edu. It's an anonymous site: Your e-mail address for a password.

73, gerry

--

Gerry Creager N5JXS

* SAREX Co-Investigator

gerry@cs.tamu.edu

* A little radio that lets kids talk

gcreager@gothamcity.jsc.nasa.gov

* to astronauts, and smile

From Emmet2@aol.com Wed Apr 12 14:27:37 1995

Received: from mail02.mail.aol.com (mail02.mail.aol.com [152.163.172.66]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id OAA08455 for

<aprssig@tapr.org>; Wed, 12 Apr 1995 14:27:34 -0500

From: Emmet2@aol.com

Received: by mail02.mail.aol.com

(1.37.109.11/16.2) id AA051974852; Wed, 12 Apr 1995 15:27:33 -0400

Date: Wed, 12 Apr 1995 15:27:33 -0400

Message-Id: <950412152731_80851094@aol.com>

To: aprssig@tapr.org

Cc: HQARRL1@aol.com

Subject: Re: [APRSSIG:734] Re: Where's everyone?

<<

Folks this points out the need to chose carefully your local APRS frequency and work with the local coordinating body. I would hate for

APRS to get the reputation that dx-cluster has earned by doing their own thing without regard for their neighbors.

>>

This is my point. Again, I know this isn't necessarily the place for this, but it's got to start somewhere. I think we need to DEMAND that the ARRL work towards forming a NATIONAL coordinating system. Regional, State, or Local ones won't work, RF knows no geographical boundaries. We need this especially now with our exponential growth. I am tired of hearing about how much of a mess this stuff is in, especially in CT with absolutely no coordinating body whatsoever.

- Chip Griffin aka Granite
- President of Thames River Apple Users Group
- SysOp of The Quarry LLBBS (203-889-6427)

= Emmet2 (America Online) = emmet2@aol.com (internet)
= N1MIE@N10KK.CT.USA (packet) = 1:320/301 (fidonet)

From john.kerr@projectx.com Wed Apr 12 16:13:20 1995
Received: from gpu.westonia.com (gpu.westonia.com [198.38.2.35]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id QAA09020 for <aprssig@tapr.org>; Wed, 12 Apr 1995 16:13:12 -0500
Received: by gpu.westonia.com (/##/\ Smail3.1.29.0.3 #29.10) id <m0rz9ic-002H6AC@gpu.westonia.com>; Wed, 12 Apr 95 16:13 EST
To: aprssig@tapr.org
Subject: APRS v6.8A - Available In Toronto
From: john.kerr@projectx.com (SYSOP)
Message-ID: <8A7440A.000100196E.uuout@projectx.com>
Date: Wed, 12 Apr 95 17:14:00 -5
Organization: Project X BBS - VE3SVE - Brampton, Ontario (905) 792-7890
Reply-To: john.kerr@projectx.com (SYSOP)
X-Mailreader: PCBoard Version 15.21
X-Mailer: PCBoard/UUOUT Version 1.10

The update to v6.8a of APRS is available for download to all those interested in the Toronto, Ontario area on Project X in Brampton at (905) 792-7890..

John VE3SVE

From ChicagoWx@aol.com Wed Apr 12 19:30:10 1995
Received: from mail02.mail.aol.com (mail02.mail.aol.com [152.163.172.66]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id TAA10130 for <aprssig@tapr.org>; Wed, 12 Apr 1995 19:30:07 -0500
From: ChicagoWx@aol.com
Received: by mail02.mail.aol.com (1.37.109.11/16.2) id AA211393005; Wed, 12 Apr 1995 20:30:05 -0400
Date: Wed, 12 Apr 1995 20:30:05 -0400
Message-Id: <950412202136_81183549@aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:492] Re: U-II Av...

The U-II is available for \$179 plus \$20 for the RS-232 cable, but that can be wired yourself for maybe \$5 to \$8. I payed just over 207 with shipping for

my U-II and it was up and running on APRS until I found my U-II is defective.
Another one is in the mail.

From dougs@ccnet.com Wed Apr 12 21:58:08 1995
Received: from ccnet (ccnet.ccnet.com [192.215.96.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id VAA10876 for <aprssig@tapr.org>; Wed, 12 Apr 1995 21:58:05 -0500
Received: from ccnet.com (h96-242.ccnet.com [192.215.96.242]) by ccnet (8.6.12/8.6.9) with SMTP id TAA16613 for <aprssig@tapr.org>; Wed, 12 Apr 1995 19:55:14 -0700
Message-Id: <Chameleon.950412195735.dougs@ccnet.com>
Date: Wed, 12 Apr 95 19:54:42 PDT
Reply-To: dougs@ccnet.com (Doug Smith)
From: dougs@ccnet.com (Doug Smith)
To: aprssig@tapr.org
Subject: AHAAT/Antenna Height Above Average Terrain

What formula are we using these days for Antenna Height Above Average Terrain for APRS purposes? There's a formula in Part 73 somewhere as I recall. If I can locate a map with elevations what can I use for a formula?

I'm 20 feet above sea level, and the antenna is 30 feet above that but I'm surrounded by hills on three sides.

Oh and, how important to APRS DF is the AHAAT setting?

ORIGIN: Doug Smith dougs@ccnet.com
Pleasant Hill, CA <http://www.ccnet.com/~dougs>
WA6GON Packet/APRS/RTTY/SWL
Sysop Douglas.Smith@f911.n161.z1.fidonet.org

From VMCX65C@prodigy.com Thu Apr 13 01:02:42 1995
Received: from inetgate.prodigy.com (inetgate.prodigy.com [192.207.105.34]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id BAA12656 for <APRSSIG@TAPR.ORG>; Thu, 13 Apr 1995 01:02:36 -0500
Received: from mail.prodigy.com (mail.prodigy.com [199.4.137.13]) by inetgate.prodigy.com (8.6.10/8.6.9) with SMTP id VAA46950 for <APRSSIG@TAPR.ORG>; Wed, 12 Apr 1995 21:55:29 -0400
Date: Wed, 12 Apr 1995 21:56:51 EDT
From: VMCX65C@prodigy.com (MISS ALEXANDRA PALM)
X-Mailer: PRODIGY Services Company Internet mailer [PIM 3.2-342.56]
Message-Id: <013.05435958.VMCX65C@prodigy.com>
To: APRSSIG@TAPR.ORG
Subject: NWS SURFACE ANALYS. ON INTERNET

Dear all,
I am looking for on the internet where I can get the SA reports for a sepcific state or USA, so I can inport this into APRS using the GETNWSDATA.

Ron
Chicaowx@aol.com

From kc5ejk@onramp.net Thu Apr 13 01:53:26 1995
Received: from ns.onramp.net (ns.onramp.net [199.1.11.2]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id BAA12742 for
<aprssig@tapr.org>; Thu, 13 Apr 1995 01:53:24 -0500
Received: from [199.1.11.103] (dal03.onramp.net [199.1.11.103]) by ns.onramp.net
(8.6.5/8.6.5) with SMTP id BAA08373 for <aprssig@tapr.org>; Thu, 13 Apr 1995
01:53:19 -0500
Message-Id: <v01510101abb25c77a2c8@[199.1.11.115]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Thu, 13 Apr 1995 01:53:29 -0500
To: aprssig@tapr.org
From: kc5ejk@onramp.net (Robert Winingham)
Subject: ID: Grid sq.

I am now getting several APRS stations at my Dallas location via
WA0D HF to UHF link. But about half of the calls on my station list
don't have LON-LAT or a grid square in the packet.

Please everyone add locations. The stations will not get to the
map without it, also very few are using the Power/ANT height.

So far I have seen 3 Dallas area stations

WA0D
K5DTN New users aprs68
KC5EJK New user aprs68 and MacAPRS 1.4.2

From gwyn@paccomm.com Thu Apr 13 02:10:06 1995
Received: from paccomm.com ([163.125.30.1]) by dingus.n5lyt.datarace.com
(8.6.10/8.6.9) with SMTP id CAA12846 for <aprssig@tapr.org>; Thu, 13 Apr 1995
02:09:56 -0500
X-BBS-Msg-Type: P
Date: Wed, 12 Apr 95 12:29:17 UTC
Message-Id: <2616@paccomm.com>
From: gwyn@paccomm.com (Gwyn Reedy, W1BEL)
To: aprssig@tapr.org
Subject: Re: [APRSSIG:759] Re: MFJ-8621 DATA RADIO
In-Reply-To: your message of Tue, 11 Apr 1995 11:04:58 -0500.
<2585@paccomm.com>

>Isn't this the same group that pieces together GPS boards to TNC's?

As far as I know, PacComm is the only amateur radio manufacturer offering
ham versions of an AVL terminal - a GPS pieced together with a TNC.

We are not MFJ and are proud of our separate identity and reputation.

Regarding the ease of finding low cost 9600 radios - I'd refer you to the latest QST with an article evaluating some of the 'made for 9600' radios which turn out not so wonderful. Casts some doubt on the ease of taking a low cost HT and modifying it for 9600...

BTW, I've tried one of the MFJ radios and it performs well. That might be worth waiting for.

-- -- -- -- --
Gwyn Reedy, W1BEL gwyn@paccomm.com W1BEL@amsat.org

+(813) 874-2980 Fax:+(813) 872-8696 BBS: +(813) 874-3078 (V.34)

PacComm Packet Radio Systems, Inc, 4413 N. Hesperides St, Tampa, FL 33614-7618
From BHVP28A@prodigy.com Thu Apr 13 07:18:08 1995
Received: from inetgate.prodigy.com (inetgate.prodigy.com [192.207.105.34]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id HAA13312 for <aprssig@tapr.org>; Thu, 13 Apr 1995 07:18:06 -0500
Received: from mail.prodigy.com (mail.prodigy.com [199.4.137.13]) by inetgate.prodigy.com (8.6.10/8.6.9) with SMTP id IAA53436 for <aprssig@tapr.org>; Thu, 13 Apr 1995 08:02:15 -0400
Date: Thu, 13 Apr 1995 08:17:59 EDT
From: BHVP28A@prodigy.com (MR JEFFREY L MOTHERSBAUGH)
X-Mailer: PRODIGY Services Company Internet mailer [PIM 3.2-342.56]
Message-Id: <013.05448551.BHVP28A@prodigy.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:771] subscribe

Don't subscribe to this unless you want to get it forever. I am caught in this nightmare of a sig and can't get out. Can anyone tell me how to unsubscribe? I am desperate!

Jeff

From dgra@qmgate.eci-esyst.com Thu Apr 13 07:52:44 1995
Received: from callisto.eci-esyst.com (199-186.ico.att.net [199.186.17.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id HAA13431 for <aprssig@tapr.org>; Thu, 13 Apr 1995 07:52:41 -0500
Received: by callisto.eci-esyst.com (4.1/SMI-4.1) id AA03673; Thu, 13 Apr 95 08:51:07 EDT
Received: from qmgate.eci-esyst.com(199.186.17.3) by callisto via smap (V1.3mjr) id sma003657; Thu Apr 13 08:50:21 1995
Message-Id: <n1414359379.82429@qmgate>
Date: 13 Apr 1995 08:47:53 -0400
From: "Dana Rodakis" <dgra@qmgate.eci-esyst.com>
Subject: Re: [APRSSIG-784] Re- subscr
To: aprssig@tapr.org
X-Mailer: Mail*Link SMTP/QM 3.0.0
Mime-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"; Name="Message Body"
Content-Transfer-Encoding: quoted-printable

Reply to: RE>[APRSSIG:784] Re: subscribe

If you kept your subscription acknowledgement then you'd know how. Send =
your request
to the list server ' listproc@tapr.org' and NOT the list!

Date: 4/13/95 8:29 AM

To: Dana Rodakis

From: aprssig@tapr.org

Don't subscribe to this unless you want to get it forever. I am caught in
this nightmare of a sig and can't get out. Can anyone tell me how to
unsubscribe? I am desparate!

From Jon_Dickason@wb.xerox.com Thu Apr 13 07:54:06 1995

Received: from alpha.xerox.com (alpha.Xerox.COM [13.1.64.93]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id HAA13457 for
<aprssig@tapr.org>; Thu, 13 Apr 1995 07:54:02 -0500

From: Jon_Dickason@wb.xerox.com

Received: from pandora.cinops.xerox.com ([13.250.20.7]) by alpha.xerox.com with
SMTP id <14537(6)>; Thu, 13 Apr 1995 05:53:42 PDT

Received: from x-wb-ngm-smtp.cinops.xerox.com by pandora.cinops.xerox.com (4.1/
SMI-4.1)

id AA18255; Thu, 13 Apr 95 09:03:17 EDT

X-Nvlenv-01Date-Transferred: 13-Apr-1995 08:51:26 -0400; at
X-MC-0300-MS1.xerox

X-Nvlenv-01Date-Transferred: 13-Apr-1995 8:51:39 -0400; at
X-WB-NGM-SMTP.XEROX

X-Nvlenv-01Date-Posted: 13-Apr-1995 08:49:34 -0500; at
x-wb-0129-ms1.xerox

Date: Thu, 13 Apr 1995 05:52:03 PDT

To: aprssig@tapr.org

Subject: need help with Garmin 45 and APRS 6.6

Message-Id: <"<F02B8D2F81CC2776>F02B8D2F81CC2776@x-wb-0129-ms1.xerox"@-SMF->

Hi and thanks for the five different instructions for subscribing. One
of them worked and here I am. I tried using my Garmin 45 with APRS 6.6
last night and kept getting "bad nmea" in the upper right corner. I
tried nmea-0183 version 1.5 and 2.0 from the GPS. I receive \$GP....
data OK on the comm screen.

Also, I found the USGS map vector data on the net but I seem to get the
feeling from the APRS docs that the 2M data is what we have already for
Rochester, NY, just main highways, and the 100k data is too detailed
for mapping the whole county(I may have these reversed). Can I use the
250k data? or any other suggestion for using the map data?

Please forgive my mistakes here. I am used to reading Internet
newsgroups so I can get a feel for where the FAQs are and usually see
an answer to my question without having to request one specifically.

Jon_Dickason@wb.xerox.com

N2JAC@WB2PSI

From ChicagoWx@aol.com Thu Apr 13 08:05:47 1995

Received: from mail02.mail.aol.com (mail02.mail.aol.com [152.163.172.66]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id IAA13544 for <aprssig@tapr.org>; Thu, 13 Apr 1995 08:05:45 -0500

From: ChicagoWx@aol.com

Received: by mail02.mail.aol.com

(1.37.109.11/16.2) id AA188008344; Thu, 13 Apr 1995 09:05:44 -0400

Date: Thu, 13 Apr 1995 09:05:44 -0400

Message-Id: <950413090542_81762685@aol.com>

To: aprssig@tapr.org

Subject: Re: [APRSSIG:647] Chicago are...

There is about 15 stations on 145.79 (4 Wx Stations, 2 Wide Digi, a few QTH's) See ya there

Ron

N9QGs

From miles@mail.utexas.edu Thu Apr 13 08:19:08 1995

Received: from smtp.utexas.edu (smtp.utexas.edu [128.83.126.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id IAA13653 for <aprssig@tapr.org>; Thu, 13 Apr 1995 08:19:05 -0500

Received: from mail.utexas.edu (mail.utexas.edu [128.83.126.1]) by smtp.utexas.edu (8.6.7/8.6.6) with ESMTP id IAA22315 for <aprssig@tapr.org>; Thu, 13 Apr 1995 08:18:07 -0500

Received: from [128.83.159.101] (klinton.util.utexas.edu [128.83.159.101]) by mail.utexas.edu (8.6.9/8.6.6) with SMTP id IAA03963 for <aprssig@tapr.org>; Thu, 13 Apr 1995 08:16:52 -0500

Date: Thu, 13 Apr 1995 08:16:52 -0500

Message-Id: <v01520b00abb28e3e7629@[128.83.159.101]>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

To: aprssig@tapr.org

From: miles@mail.utexas.edu (Miles Abernathy)

Subject: Re: [APRSSIG:784] Re: subscribe

>Don't subscribe to this unless you want to get it forever. I am caught in
>this nightmare of a sig and can't get out. Can anyone tell me how to
>unsubscribe? I am desparate!

Hi Jeff!

Perhaps the HELP doc tells how??

>For information on this service and how to use it, send the following
>request in the body of a mail message to listproc@tapr.org:

>
>HELP

>All requests should be addressed to listproc@tapr.org.

Good luck!

| Miles Abernathy, N5K0B | "I urge you to dream - I did, and one |

| U. of TX, P O Box 7580 | day I found myself standing on the |
| Austin, Texas 78713 USA | surface of the moon." - Gene Cernan |

From janderson@ram.net Thu Apr 13 08:54:51 1995
Received: from ram.net (ram.net [199.97.216.2]) by dingus.n5lyt.datarace.com
(8.6.10/8.6.9) with SMTP id IAA13871 for <aprssig@tapr.org>; Thu, 13 Apr 1995
08:54:48 -0500
Received: by ram.net (5.65/1.3-eef)
id AA07155; Thu, 13 Apr 95 09:53:51 -0400
From: janderson@ram.net (Jack Anderson)
To: aprssig@tapr.org
Subject: Re: [APRSSIG:772] Recommended GPS unit?
Date: Thu, 13 Apr 95 09:53:48 GMT
Message-Id: <15021591.0ab7@ram.net>
Version: RAMail 2.8n
Location: ANNANDALE-PARLIAMENT (280) ANNANDALE, VA

>As it says - want wat of these suckers for APRS good times - which is the
>current favourite of the group.
>
>Thanks
>Bob Smith,
>N3FTU.

I think the Garmin GPS-45 is a great bet.
From hg@penny.n2wx.ampr.org Thu Apr 13 09:56:15 1995
Received: from bbs.mpcs.com (bbs.mpcs.com [198.69.107.209]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id JAA14537 for
<aprssig@tapr.org>; Thu, 13 Apr 1995 09:56:11 -0500
Received: by bbs.mpcs.com (Smail3.1.28.1 #52)
id m0rzQEn-0007fhC; Thu, 13 Apr 95 10:51 EDT
Received: (from hg@localhost) by n2wx.ampr.org (8.6.9/8.6.9) id JAA00305; Thu, 13
Apr 1995 09:54:19 -0500
Date: Thu, 13 Apr 1995 09:54:18 -0500 (EST)
From: Howard Goldstein <hg@penny.n2wx.ampr.org>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:781] NWS SURFACE ANALYS. ON INTERNET
In-Reply-To: <013.05435958.VMCX65C@prodigy.com>
Message-ID: <Pine.LNX.3.91.950413095340.279D-100000@n2wx.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 13 Apr 1995, MISS ALEXANDRA PALM wrote:

> Dear all,
> I am looking for on the internet where I can get the SA
> reports for a sepcific state or USA, so I can inport this
> into APRS using the GETNWSDATA.

Try gopher to wx.atmos.uiuc.edu

Howie N2WX

From gerry@cs.tamu.edu Thu Apr 13 10:23:38 1995

Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id KAA14662 for <aprssig@tapr.org>; Thu, 13 Apr 1995 10:23:35 -0500

Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id KAA19538 for <aprssig@tapr.org>; Thu, 13 Apr 1995 10:23:34 -0500

From: Gerald J Creager <gerry@cs.tamu.edu>

Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id KAA23639 for aprssig@tapr.org; Thu, 13 Apr 1995 10:23:30 -0500

Message-Id: <199504131523.KAA23639@solar.cs.tamu.edu>

Subject: Re: [APRSSIG:786] need help with Garmin 45 and APRS 6.6

To: aprssig@tapr.org

Date: Thu, 13 Apr 1995 10:23:29 -0500 (CDT)

In-Reply-To: <"<F02B8D2F81CC2776>F02B8D2F81CC2776@x-wb-0129-ms1.xerox"@-SMF-> from "Jon_Dickason@wb.xerox.com" at Apr 13, 95 08:10:50 am

X-Mailer: ELM [version 2.4 PL23]

Content-Type: text

Content-Length: 1697

> Hi and thanks for the five different instructions for subscribing. One
> of them worked and here I am. I tried using my Garmin 45 with APRS 6.6
> last night and kept getting "bad nmea" in the upper right corner. I
> tried nmea-0183 version 1.5 and 2.0 from the GPS. I receive \$GP....
> data OK on the comm screen.

Were I to guess, I'd guess the -45 is sending out more data than the program's expecting, or sending out at least one variant Bob's not programmed for. Good guess, Bob?

> Also, I found the USGS map vector data on the net but I seem to get the
> feeling from the APRS docs that the 2M data is what we have already for
> Rochester, NY, just main highways, and the 100k data is too detailed
> for mapping the whole county(I may have these reversed). Can I use the
> 250k data? or any other suggestion for using the map data?

The 1:100k data is uable for mapping whole counties, provided you don't get too detailed. I use it for grabbing data for interstate and US hiways, State routes/hiways, and major routes for whole county mapping. For more datailed area maps, I use each separate quad, and only work within that are for the major and minor city streets. You have to be obsessive-compulsive about defragging both by program and manually, and then you have to go manually and delete a lot of extraneous points that the method of input USGS uses incurs.

Hope this helps.

Gerry

--

Gerry Creager N5JXS

gerry@cs.tamu.edu

gcreager@gothamcity.jsc.nasa.gov

* SAREX Co-Investigator

* A little radio that lets kids talk

* to astronauts, and smile

From griff@SSD.intel.com Thu Apr 13 10:44:49 1995
Received: from SSD.intel.com (ssd.intel.com [137.46.201.30]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id KAA14887 for
<aprssig@tapr.org>; Thu, 13 Apr 1995 10:44:40 -0500
Received: from bungee.SSD.intel.com by SSD.intel.com (4.1/SMI-4.1)
id AA26709; Thu, 13 Apr 95 08:44:34 PDT
Received: by bungee.SSD.intel.com (4.1/SMI-4.1)
id AA06113; Thu, 13 Apr 95 08:44:32 PDT
From: Thomas Griffin - x7792 <griff@SSD.intel.com>
Message-Id: <9504131544.AA06113@bungee.SSD.intel.com>
Subject: Re: [APRSSIG:784] Re: subscribe
To: aprssig@tapr.org
Date: Thu, 13 Apr 1995 08:44:31 -0700 (PDT)
In-Reply-To: <013.05448551.BHVP28A@prodigy.com> from "MR JEFFREY L MOTHERSBAUGH"
at Apr 13, 95 07:24:59 am
X-Mailer: ELM [version 2.4 PL21]
Content-Type: text
Content-Length: 549

> Don't subscribe to this unless you want to get it forever. I am caught in
> this nightmare of a sig and can't get out. Can anyone tell me how to
> unsubscribe? I am desparate!
>
> Jeff

When you subscribed you should have received a mail which included the
following:

To unsubscribe from this mailing list send a message to `listserv@tapr.org`
with the following line in the body of the message:

signoff aprssig

73, Thomas (Griff) Griffin, N7ZKL
Beaverton, Oregon, USA
Internet: n7zkl@amsat.org
Packet: n7zkl@k7iqi.#nwor.or.usa.na
From bruninga@greatlakes.nadn.navy.mil Thu Apr 13 11:01:24 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id LAA15032 for
<aprssig@tapr.org>; Thu, 13 Apr 1995 11:01:14 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA25951; Thu, 13 Apr 95 12:00:22 EDT
Date: Thu, 13 Apr 1995 12:00:22 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:780] AHAAT/Antenna Height Above Average Terrain
In-Reply-To: <Chameleon.950412195735.dougs@ccnet.com>
Message-Id: <Pine.SUN.3.91.950413115411.25772C@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 12 Apr 1995, Doug Smith wrote:

> What formula are we using these days for Antenna Height Above Average Terrain
>
> I'm 20 feet above sea level, and the antenna is 30 feet above that but I'm
> surrounded by hills on three sides.

APR REPLY: I would say your HAAT will be negative. Take your 50 foot height above sea level, and subtract the height of the hills from it and you will get a very large negative number. Since APRS only allows for positive heights, use 0. I would also then give it a directivity in the direction of the 4th missing hill...

I don't use a formula. I just estimate how high my antenna is above AVERAGE terrain out to my visual horizon. Just use common sense. (although you wouldn't believe the people around here that use sealevel, an absolutely useless measurement unless you live on a FLAT ISLAND!

From janderson@ram.net Thu Apr 13 11:28:53 1995
Received: from ram.net (ram.net [199.97.216.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id LAA15302 for <aprssig@tapr.org>; Thu, 13 Apr 1995 11:28:50 -0500
Received: by ram.net (5.65/1.3-eef)
id AA08946; Thu, 13 Apr 95 12:27:53 -0400
From: janderson@ram.net (Jack Anderson)
To: aprssig@tapr.org
Subject: Re: [APRSSIG:780] AHAAT/Antenna Height Above Average Terrain
Date: Thu, 13 Apr 95 12:27:29 GMT
Message-Id: <15021591.0aba@ram.net>
Version: RAMail 2.8n

>What formula are we using these days for Antenna Height Above Average Terrain
>for APRS purposes? There's a formula in Part 73 somewhere as I recall. If I
>can locate a map with elevations what can I use for a formula?
>
>I'm 20 feet above sea level, and the antenna is 30 feet above that but I'm
>surrounded by hills on three sides.
>
>Oh and, how important to APRS DF is the AHAAT setting?

Normally it is computed by locating your site a topo map and drawing 8 equally spaced 10 mile radials from the site (N,NE,E,SE,S,SW,W,NW). Then you dot the radials at one mile intervals and record the elevations at each interval. (This is good for estimates, but the FCC requires at least 50 points per radial.) Next you compute the average elevation along each radial, then, compute the average of the radial averages. It can be time consuming when done manually like this. For APRS you might just want to take an educated guess. Topo maps can be purchased from the USGS. You might check with local outfitters and camping stores too.

I recall seeing something in one of these TAPR sigs about a service on the

Internet where you could do this automatically with email by providing your lat/lon. Maybe someone else can advise.

Jack

From bob.baltz@ustc.vlsi.COM Thu Apr 13 13:28:16 1995
Received: from peanuts.vlsi.com (peanuts.vlsi.com [134.27.2.21]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id NAA16205 for <aprssig@tapr.org>; Thu, 13 Apr 1995 13:28:13 -0500
Received: from ustc.vlsi.COM by peanuts.vlsi.com (8.6.9/SMI4.1-UCB8.6.9/Perlotto-DeLong-080394)
id LAA13249; Thu, 13 Apr 1995 11:27:46 -0700
Received: from oriole.ustc.vlsi.COM by ustc.vlsi.COM (4.1/SJTC-MAILHOST-3.1)
id AA11178; Thu, 13 Apr 95 11:27:58 PDT
Organization: VLSI Technology - US Technology Centers
Received: from [134.27.5.201] by oriole.ustc.vlsi.COM (4.1/SMI-4.1)
id AA11670; Thu, 13 Apr 95 09:50:23 EDT
Date: Thu, 13 Apr 95 09:50:22 EDT
Message-Id: <9504131350.AA11670@oriole.ustc.vlsi.COM>
X-Sender: bobb@oriole.ustc.vlsi.com
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: bob.baltz@ustc.vlsi.COM (Bob Baltz)
Subject: Re: [APRSSIG:788] Re: subscribe

Just send msg to list proc with unsubscribe in body on separate line

Bob Baltz	*
Chesapeake Region Sales	*
Ph:(410) 987- 8777	*
Fax: (410) 987-8777	*
E-mail bob.baltz@ustc.vlsi.com	*

From gfuller@netcom.com Thu Apr 13 13:49:59 1995
Received: from netcom19.netcom.com (netcom19.netcom.com [192.100.81.132]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id NAA16338 for <aprssig@tapr.org>; Thu, 13 Apr 1995 13:49:55 -0500
Received: by netcom19.netcom.com (8.6.12/Netcom)
id LAA15224; Thu, 13 Apr 1995 11:29:51 -0700
Date: Thu, 13 Apr 1995 11:29:49 -0700 (PDT)
From: Gordon Fuller <gfuller@netcom.com>
Subject: Question about aprs6.8A
To: aprssig@tapr.org
Message-ID: <Pine.3.89.9504131119.A14787-0100000@netcom19>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Does version 6.8A reset the parity in the TNC to 0 ? Everytime I load 6.8a into my KAM, my parity gets reset to 0. I run my parity at 4 and have never had to reset it on older versions. Thanks

gfuller@netcom.com

From dhenders@InterServ.Com Thu Apr 13 15:37:24 1995
Received: from InterServ.Com (troi.interserv.net [165.121.1.68]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id PAA16831 for
<aprssig@tapr.org>; Thu, 13 Apr 1995 15:37:16 -0500
From: dhenders@InterServ.Com
Received: from 204.120.34.231 ([204.120.34.231]) by InterServ.Com (4.1/SMI-4.1)
id AA12319; Thu, 13 Apr 95 13:36:01 PDT
Date: Thu, 13 Apr 95 13:36:00 PDT
Message-Id: <9504132036.AA12319@ InterServ.Com>
Subject: Re: [APRSSIG:794] Re: AHAAT/Antenna Height Above Average Terrain
To: aprssig@tapr.org
X-Mailer: AIR Mail 3.X (SPRY, Inc.)

Would like to know if someone has address for this
service:

<---- Begin Included Message ---->
I recall seeing something in one of these TAPR sigs about
a service on the
Internet where you could do this automatically with email
by providing your
lat/lon. Maybe someone else can advise.

Jack

<---- End Included Message ---->

From bruninga@greatlakes.nadn.navy.mil Thu Apr 13 16:37:54 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id QAA17052 for
<aprssig@tapr.org>; Thu, 13 Apr 1995 16:37:50 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA01480; Thu, 13 Apr 95 17:36:36 EDT
Date: Thu, 13 Apr 1995 17:36:36 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:796] Question about aprs6.8A
In-Reply-To: <Pine.3.89.9504131119.A14787-0100000@netcom19>
Message-Id: <Pine.SUN.3.91.950413173308.1474A-100000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 13 Apr 1995, someone wrote:

> Does version 6.8A reset the parity in the TNC to 0 ? Everytime I load 6.8a
>

APR ANSWER: Yes, found out many folks having problems setting up their TNC's
So in version 6.8a rather than expecting people to read the docs and set
9600,N,8,1, I now set PAR 0, 8bitconv ON, and AW 8. If you want to

change this, simply modify your APRS\SYSTEM\INITtapr.TNC file..

From edwardwr@interaccess.com Thu Apr 13 16:45:48 1995
Received: from home.interaccess.com (home.interaccess.com [198.80.0.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id QAA17067 for <aprssig@tapr.org>; Thu, 13 Apr 1995 16:45:45 -0500
Received: from d22.net.interaccess.com (d22.net.interaccess.com [199.79.208.22]) by home.interaccess.com (8.6.11/8.6.10) with SMTP id QAA03806 for <aprssig@tapr.org>; Thu, 13 Apr 1995 16:46:17 -0500
Message-Id: <199504132146.QAA03806@home.interaccess.com>
X-Sender: edwardwr@pop.interaccess.com
X-Mailer: Windows Eudora Version 1.4.4
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Thu, 13 Apr 1995 16:35:47 -0500
To: aprssig@tapr.org
From: edwardwr@interaccess.com (Edward W Rogers)
Subject: 6.8a and HSP

Bob,

Looks like this fixed the problem for us HSP users. Ive run it for the last two days mobile (Motorola OEM card-Tiny 2-PacCom Y splitter-GrIDPAD computer) and its been bug free. Good mix of RMC, GGA and GLL data.

If the WX holds this weekend Ill rent a 172 or something and try it with GGA only.

Keep it up.

Looking forward to Dayton.

Ed
N9LCI

From sdimse@umed.med.miami.edu Thu Apr 13 17:33:32 1995
Received: from mthvax.cs.miami.edu (mthvax.cs.miami.edu [129.171.32.5]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id RAA17300 for <aprssig@tapr.org>; Thu, 13 Apr 1995 17:33:23 -0500
Received: by mthvax.cs.miami.edu (5.65/DEC-Ultrix/4.3)
id AA02758; Thu, 13 Apr 1995 18:30:33 -0400
Received: by umed.med.miami.edu (5.57/Ultrix4.0)
id AA01058; Thu, 13 Apr 95 18:33:30 -0400
From: sdimse@umed.med.miami.edu (Steven S. Dimse)
Message-Id: <9504132233.AA01058@umed.med.miami.edu>
Subject: Re: [APRSSIG:794] Re: AHAAT/Antenna Height Above Average Terrain
To: aprssig@tapr.org
Date: Thu, 13 Apr 95 18:33:29 EDT
In-Reply-To: <15021591.0aba@ram.net>; from "Jack Anderson" at Apr 13, 95 11:37 am
X-Mailer: ELM [version 2.3 PL11]

>
> >What formula are we using these days for Antenna Height Above Average Terrai
> >for APRS purposes? There's a formula in Part 73 somewhere as I recall. If I
> >can locate a map with elevations what can I use for a formula?
> >

Easiest way is to live in South Florida. You just need a tape measure
HI!

Life on a pancake!

From WSykesDice@aol.com Thu Apr 13 18:07:29 1995
Received: from mail02.mail.aol.com (mail02.mail.aol.com [152.163.172.66]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTTP id SAA17424 for
<aprssig@tapr.org>; Thu, 13 Apr 1995 18:07:26 -0500
From: WSykesDice@aol.com
Received: by mail02.mail.aol.com
(1.37.109.11/16.2) id AA174034445; Thu, 13 Apr 1995 19:07:25 -0400
Date: Thu, 13 Apr 1995 19:07:25 -0400
Message-Id: <950413190723_82370621@aol.com>
To: aprssig@tapr.org
Subject: Need APRS Frequency in Memphis

Hello all. Name here is Wayne, KB4ZLE. I've been lurking on this list for
about a month or so until I could get my packet station back up. Am running
APRS 6.7a and would like to know if there is an APRS frequency in Memphis,
TN. Any help would be appreciated.

73's - Wayne Sykes, KB4ZLE

WSykesDice@aol.com
From janderson@ram.net Thu Apr 13 20:27:30 1995
Received: from ram.net (ram.net [199.97.216.2]) by dingus.n5lyt.datarace.com
(8.6.10/8.6.9) with SMTP id UAA17940 for <aprssig@tapr.org>; Thu, 13 Apr 1995
20:27:27 -0500
Received: by ram.net (5.65/1.3-eef)
id AA00584; Thu, 13 Apr 95 21:25:50 -0400
From: janderson@ram.net (Jack Anderson)
To: aprssig@tapr.org
Subject: Re: [APRSSIG:800] Re: AHAAT/Antenna Height Above Average Terrain
Date: Thu, 13 Apr 95 21:27:21 GMT
Message-Id: <15021591.0ac8@ram.net>
Version: RAMail 2.8n
Location: TYSON'S CORNER (2712) MCLEAN, VA

>Easiest way is to live in South Florida. You just need a tape measure
>HI!
>
>Life on a pancake!

Even the FCC says to just use 10' for the average terrain in Miami.

Jack

From bruninga@greatlakes.nadn.navy.mil Fri Apr 14 09:32:42 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id JAA20683 for
<aprssig@tapr.org>; Fri, 14 Apr 1995 09:32:38 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA05358; Fri, 14 Apr 95 10:31:55 EDT
Date: Fri, 14 Apr 1995 10:31:54 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: beacons and maps
Message-Id: <Pine.SUN.3.91.950414101959.4497D-100000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Saw an all USA packet bulletin chastizing the periodicity of APRS beacons in SoCal. The guy made a good point about beacons on SHARED frequencies. In version 6.8b (when finished) will increase the maximum beacon time beyond the current 15 minutes. And will also take in to account whether an operator is present or not.

MAPS: I asked W7KKE to take a look at the CONV100 program and its inability to handle LARGE numbers of initial points from a CDRom file. He modified the array size and reports he can now process a file that results in as many as 15,000 points. He has posted in on ARS 410 280-2503 as CONV100C.bas

Also 68b will have the ability to REPLAY a BK file. This trivial change means you can go replay a BK file to find out where someone lives, without having to LOAD the old BK file and therefore loose the present picture...

I have reports of some bugs that I need second opinions on.

- 1) one station says his rain gauge does not work
- 2) Another is seeing too many posits saved in his track history file
- 3) Another says the fix in 67a that PREVENTS autologging of U-II data does not always work
- 4) Blue screen does not always come up on a connect. (I have seen this one too, and I agree it is a problem).

All of these were reported in 68a but they also say they have been there for a while...

From laborde@kilroy.jpl.nasa.gov Fri Apr 14 11:05:53 1995
Received: from kilroy.jpl.nasa.gov (kilroy.jpl.nasa.gov [128.149.63.2]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id LAA21150 for
<aprssig@tapr.org>; Fri, 14 Apr 1995 11:05:48 -0500
Received: from [128.149.100.84] (kd6msm.jpl.nasa.gov [128.149.100.84]) by
kilroy.jpl.nasa.gov (8.6.10/8.6.6) with SMTP id JAA24614 for <aprssig@tapr.org>;
Fri, 14 Apr 1995 09:05:35 -0700
Date: Fri, 14 Apr 1995 09:05:35 -0700
Message-Id: <199504141605.JAA24614@kilroy.jpl.nasa.gov>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: laborde@kilroy.jpl.nasa.gov (Gregory R. LaBorde)
Subject: Re: [APRSSIG:803] beacons and maps

At 9:46 AM 4-14-95 -0500, Robert Bruninga wrote:
>Saw an all USA packet bulletin chastizing the periodicity of APRS beacons
>in SoCal. The guy made a good point about beacons on SHARED
>frequencies.

Bob,

I take (and took) issue with the ALLUS PACKET bulletin regarding too many APRS beacons.

I believe that the author of that bulletin confused 'people running APRS' with 'people with APRS position info in their BTEXT'. My house is at 1620' at the foot of the San Gabriel Mountains above Pasadena, and I have a clear shot all the way down to San Diego (125 miles). My packet station runs 24 hours a day, and I have ample opportunity to see what goes on on-the-air. There is NO problem with an overload of APRS packets on 2m packet in LA (users ARE starting to add APRS position info to their beacons, which I think is GOOD!). Even the oft-tossed 'too many user beacons' complaint is, in my opinion a big red-herring. The worst offenders in LA are the BBSs and Nodes themselves, beaconing every 10-15 minutes (as if no one knows they are there already). At least now Nodes and BBSs are starting to put APRS position info in their Beacon strings, which will aid in producing maps of the local network.

Regarding 'shared frequencies,' this discussion of APRS as a new mode puzzles me. It is primarily 1200bd AFSK using FM radios. I see APRS as a new USE of packet, not a new mode, and do not view APRS as 'sharing' the frequency any more than keyboard-to-keyboard users 'share' the frequency with a BBS. I am a SysOp of a major LA-area packet BBS, and I am glad to see APRS in use here. To me, I see APRS as a unique use of the capabilities of amateur radio, rather than simulating other modes of electronic communications.

I would highly recommend you NOT fix something that is not a problem.

73,

Greg (who will someday actually connect APRS to a radio, instead of mooching off of friends)

--

Gregory R. LaBorde - KD6MSM	Internet: laborde@kilroy.jpl.nasa.gov
Jet Propulsion Laboratory	AMPRNet : kd6msm@jpl-gw.w6vio.ampr.org
Systems Engineering - Galileo OET	Packet : KD6MSM@W6VIO.#SOCA.CA.USA.NA
M/S 264-805 4800 Oak Grove Drive	Phone : (818) 393-1107
Pasadena, CA 91109	

From BARRETTD@CRPL.CEDAR-RAPIDS.LIB.IA.US Fri Apr 14 14:24:56 1995
Received: from CRPL.CEDAR-RAPIDS.LIB.IA.US (crpl.cedar-rapids.lib.ia.us
[198.134.138.1]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id OAA21969
for <aprssig@tapr.org>; Fri, 14 Apr 1995 14:24:52 -0500
From: BARRETTD@CRPL.CEDAR-RAPIDS.LIB.IA.US
Date: Fri, 14 Apr 1995 14:24:45 -0500 (CDT)
To: aprssig@tapr.org
Message-Id: <950414142445.26b0f@CRPL.CEDAR-RAPIDS.LIB.IA.US>
Subject: HTX-202 Tiny-2 TNC Cable

I just purchased a Radio Shack HTX-202 and would like to use it
with my PACOMM Tiny-2 tk-2 TNC Mic and PTT are on the same plug
on the HT and Audio is on another. The TNC has seperate Mic and
PTT on the DIN plug. Any help is greatly appreciated.

on the HT and Audio is on another. The TNC has seperate Mic and
From keating@nosc.mil Fri Apr 14 14:46:57 1995

Received: from trout.nosc.mil (trout.nosc.mil [128.49.16.7]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id OAA22349 for
<aprssig@tapr.org>; Fri, 14 Apr 1995 14:46:54 -0500

Received: from manta.nosc.mil by trout.nosc.mil (4.1/SMI-4.1)
id AA22393; Fri, 14 Apr 95 12:46:48 PDT

Received: from [128.49.184.29] (44209rk.nosc.mil) by manta.nosc.mil (4.1/SMI-4.1)
id AA17810; Fri, 14 Apr 95 12:46:33 PDT

X-Sender: keating@manta.nosc.mil

Message-Id: <abb48029030210047285@[128.49.184.29]>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Fri, 14 Apr 1995 12:45:20 -0700

To: aprssig@tapr.org

From: keating@nosc.mil (Roger Keating)

Subject: Re: [APRSSIG:804] Re: beacons and maps

Good posting Greg.

Now, tell me what to put in my BTEXT so that W6RDF can beacon with APRS info
on 145.01 300bd. I found your QSL cards and the log record so, I sent
you a direct connect QSL for your contact with W6RDF. It's in the mail
today.

>Regarding 'shared frequencies,' this discussion of APRS as a new mode
>puzzles me. It is primarily 1200bd AFSK using FM radios. I see APRS as a
>new _USE_ of packet, not a new mode, and do not view APRS as 'sharing' the
>frequency any more than keyboard-to-keyboard users 'share' the frequency
>with a BBS. I am a SysOp of a major LA-area packet BBS, and I am glad to
>see APRS in use here. To me, I see APRS as a unique use of the capabilities
>of amateur radio, rather than simulating other modes of electronic
>communications.

Nice attitude. I wish APRS was better understood by all involved. In
San Diego, the ARRL OO warns us NOT to beacon on 145.01 with APRS information!
And he says APRS *must* be on 144.990 to be coordinated. Well this is
turning out to be a big deal because 144.990 is also coordinated for 9600+
experimental work. We'll see what happens.

73

Roger Keating - KD6EFQ
keating@nosc.mil

From K2ADJ@aol.com Fri Apr 14 15:19:24 1995
Received: from mail02.mail.aol.com (mail02.mail.aol.com [152.163.172.66]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id PAA22539 for
<APRSSIG@tapr.org>; Fri, 14 Apr 1995 15:19:21 -0500
From: K2ADJ@aol.com
Received: by mail02.mail.aol.com
(1.37.109.11/16.2) id AA217410757; Fri, 14 Apr 1995 16:19:17 -0400
Date: Fri, 14 Apr 1995 16:19:17 -0400
Message-Id: <950414161916_83390524@aol.com>
To: APRSSIG@tapr.org
Cc: Bruninga@greatlakes.nadn.navy.mil
Subject: Hurricane Plotting

Hi Bob,

Need some decision making information here.. Last year near the end of the Hurricane season I started to enter the location of the Hurricanes, I am sure you were able to see my entries at your location as I sent them far and wide. I was entering the locations finally near the end without speed and direction except in the comments as, well if you ever plotted hurricanes they never go where they say they will go but probably end up going dat-other-way as the last one did last year..

Now, I noticed that N2CZF was entering them also but would do so only about once a day with speed and course which can confuse everyone in the direction of the storm especially if the storm turned and went that other direction.

Now, I understand that the Hurricane Center is ON LINE now but I have read that they will be receiving the hurricane reports but not issuing anything.

So, my question to you, oh great wize one, should I pick it back up again this year or just forget about it.. It is fun to watch the hurricane and where it is going and follow it..

What do you think, Bob?

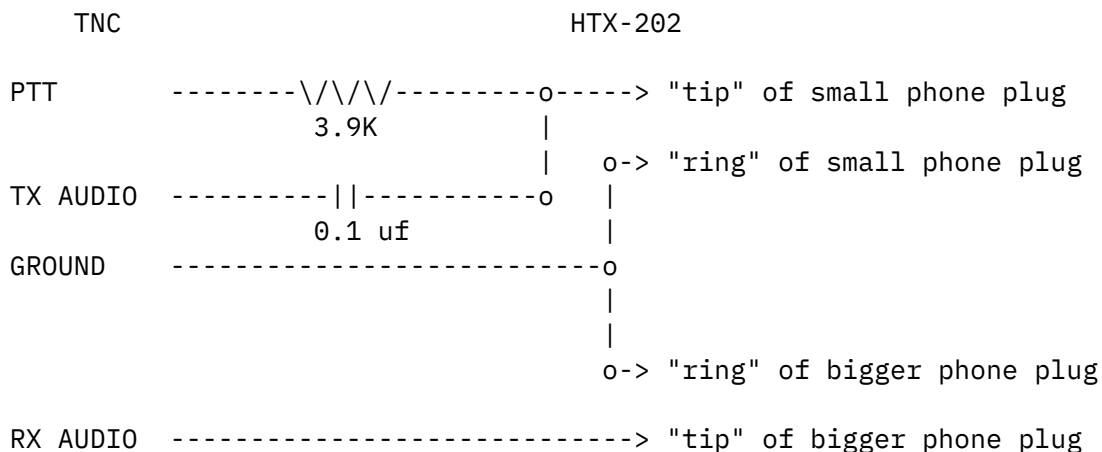
73 de Rod

From janderson@ram.net Fri Apr 14 15:42:44 1995
Received: from ram.net (ram.net [199.97.216.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id PAA22667 for <aprssig@tapr.org>; Fri, 14 Apr 1995 15:42:40 -0500
Received: by ram.net (5.65/1.3-eef)
id AA08506; Fri, 14 Apr 95 16:40:46 -0400
From: janderson@ram.net (Jack Anderson)
To: aprssig@tapr.org

Subject: Re: [APRSSIG:805] HTX-202 Tiny-2 TNC Cable
Date: Fri, 14 Apr 95 16:42:32 GMT
Message-Id: <15021591.0ae4@ram.net>
Version: RAMail 2.8n
Location: TYSON'S CORNER (2712) MCLEAN, VA

>I just purchased a Radio Shack HTX-202 and would like to use it
>with my PACOMM Tiny-2 tk-2 TNC Mic and PTT are on the same plug
>on the HT and Audio is on another. The TNC has seperate Mic and
>PTT on the DIN plug. Any help is greatly appreciated.
>on the HT and Audio is on another. The TNC has seperate Mic and

You have to build an interface cable as follows:



You might be able to find a better schematic in your doc. Use the one for "ICOM 2AT" style radios if it is available.

From kinahan@ws007-fddi.bytex.network.com Fri Apr 14 16:38:32 1995
Received: from mail1.bytex.network.com (mail1.bytex.network.com [129.191.225.6])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id QAA22955 for
<aprssid@tapr.org>; Fri, 14 Apr 1995 16:38:27 -0500
Received: from ws007-fddi (ws007-fddi.bytex.network.com) by
mail1.bytex.network.com (4.1/SMI-4.1)
id AA02180; Fri, 14 Apr 95 17:39:09 EDT
Received: by ws007-fddi (4.1/SMI-4.1)
id AA05154; Fri, 14 Apr 95 17:39:07 EDT
Date: Fri, 14 Apr 95 17:39:07 EDT
From: kinahan@ws007-fddi.bytex.network.com (Tom Kinahan @ws007)
Message-Id: <9504142139.AA05154@ws007-fddi>
To: aprssid@tapr.org
Subject: Mobile SSID numbers

Hi all!

I've seen people being reminded that mobiles sending gps data should set their SSID to <call>-9. Is this just a standard that we're all trying to adhere to? Are there other SSIDs used for other types of operations?

Are there technical reasons for this? Can someone knowledgeable
fill me (us) in?

Tom Kinahan N1CPE
kinahan@bytex.network.com
From EDTPHIL@aol.com Fri Apr 14 16:53:41 1995
Received: from mail04.mail.aol.com (mail04.mail.aol.com [152.163.172.53]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id QAA23113 for
<aprssig@tapr.org>; Fri, 14 Apr 1995 16:53:33 -0500
From: EDTPHIL@aol.com
Received: by mail04.mail.aol.com
(1.37.109.11/16.2) id AA191306411; Fri, 14 Apr 1995 17:53:31 -0400
Date: Fri, 14 Apr 1995 17:53:31 -0400
Message-Id: <950414175329_83485054@aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:654] Re: HELLLPP...

Please unsubscribe, Thanks, E.T. Phillips
From bruninga@greatlakes.nadn.navy.mil Fri Apr 14 19:31:06 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id TAA23856 for
<aprssig@tapr.org>; Fri, 14 Apr 1995 19:31:01 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA11214; Fri, 14 Apr 95 20:30:05 EDT
Date: Fri, 14 Apr 1995 20:30:04 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: Hurricane Plotting
In-Reply-To: <950414161916_83390524@aol.com>
Message-Id: <Pine.SUN.3.91.950414202307.11208A@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 14 Apr 1995 K2ADJ@aol.com wrote:

> Need some decision making information here.. Last year near the end of the
> Hurricane season I started to enter the location of the Hurricanes, I am sure
>>
> Now, I noticed that N2CZF was entering them also but would do so only about
> once a day with speed and course which can confuse everyone in the direction
>
> So, my question to you, oh great wise one, should I pick it back up again
> this year or just forget about it.. It is fun to watch the hurricane and
> where it is going and follow it..
>

APR REPLY: APRS was designed so that who ever has the latest info on an
OBJECT, should enter it and it should overtake any previous entries. But
since N2CZF posits are comming in via HF gateway, your VHF posits will
NOT cancel his, unless he hears yours. In a case like that, I would
enter yours as well, but choose a different exact NAME so that his doesnt
cancel yours. I would also say to PUT THE CSE/SPD on them. That is the
best data available at the time of the posit. BE SURE TO PUT THE CORRECT

TIME OF THE POSIT so it DR's properly. Subsequent reports can allso use a slightly different name (SSID?) so that viewers can see present an some of the past posits...

From bruninga@greatlakes.nadn.navy.mil Fri Apr 14 19:36:54 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id TAA23870 for
<aprssig@tapr.org>; Fri, 14 Apr 1995 19:36:50 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA11262; Fri, 14 Apr 95 20:35:53 EDT
Date: Fri, 14 Apr 1995 20:35:52 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:809] Mobile SSID numbers
In-Reply-To: <9504142139.AA05154@ws007-fddi>
Message-Id: <Pine.SUN.3.91.950414203303.11208B-100000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 14 Apr 1995 kinahan@ws007-fddi.bytex.network.com wrote:

>
> I've seen people being reminded that mobiles sending gps data should set
> their SSID to <call>-9. Is this just a standard that we're all trying
> to adhere to? Are there other SSIDs used for other types of operations?

APR REPLY: The -9 is required for STAND-ALONE-TRACKERS that want to look like a CAR. all of the other SSID's define other mobile symbols (see SYMBOLS.txt). For APRS mobiles, however, any call can appear as any symbol. But in general, the -9 is sort of an eye catcher to suggest that the guy is mobile...

From TJRK28A@prodigy.com Fri Apr 14 21:12:48 1995
Received: from inetgate.prodigy.com (inetgate.prodigy.com [192.207.105.34]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id VAA24264 for
<aprssig@tapr.org>; Fri, 14 Apr 1995 21:12:45 -0500
Received: from mail.prodigy.com (mail.prodigy.com [199.4.137.13]) by
inetgate.prodigy.com (8.6.10/8.6.9) with SMTP id UAA40722 for <aprssig@tapr.org>;
Fri, 14 Apr 1995 20:40:00 -0400
Date: Fri, 14 Apr 1995 21:46:20 EDT
From: TJRK28A@prodigy.com (MR HARRY E JONES JR.)
X-Mailer: PRODIGY Services Company Internet mailer [PIM 3.2-342.56]
Message-Id: <013.05504156.TJRK28A@prodigy.com>
To: aprssig@tapr.org
Subject: Kam and getting hf and vhf work together

Dear Mr. Bruninga,

I read your earlier message showing unproto command. I actually typed unproto aprs via hf1/aprs via vhf1 and entered. My unit transmits on HF only. Is my format incorrect? I have successfully gone into ops then comm and then tnc and typed tildea and make it go just to hf. But again am trying to have it do both radios. Or is this not possible and I have to do it one or the other? I am also reading some stations at bottom of my screen however, they are not appearing in place on my map. Why is that? On the

updates which I subscribed for, do you send them automatically or do I need to request them from you? Thanks for your time. Your program is sure keeping me off the streets. Harry KD4MPC

From john.kerr@projectx.com Fri Apr 14 21:21:44 1995
Received: from gpu.westonia.com (gpu.westonia.com [198.38.2.35]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id VAA24333 for <aprssig@tapr.org>; Fri, 14 Apr 1995 21:21:38 -0500
Received: by gpu.westonia.com (/##/\ Smail3.1.29.0.3 #29.10) id <m0rzxUJ-002HDxC@gpu.westonia.com>; Fri, 14 Apr 95 21:21 EST
To: aprssig@tapr.org
Subject: Test
From: john.kerr@projectx.com (SYSOP)
Message-ID: <8A76538.002100006F.uuout@projectx.com>
Date: Fri, 14 Apr 95 22:16:00 -5
Organization: Project X BBS - VE3SVE - Brampton, Ontario (905) 792-7890
Reply-To: john.kerr@projectx.com (SYSOP)
X-Mailreader: PCBoard Version 15.21
X-Mailer: PCBoard/UUOUT Version 1.10

Test

From K2ADJ@aol.com Fri Apr 14 21:34:00 1995
Received: from mail02.mail.aol.com (mail02.mail.aol.com [152.163.172.66]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id VAA24488 for <APRSSIG@tapr.org>; Fri, 14 Apr 1995 21:33:56 -0500
From: K2ADJ@aol.com
Received: by mail02.mail.aol.com (1.37.109.11/16.2) id AA046473217; Fri, 14 Apr 1995 22:33:37 -0400
Date: Fri, 14 Apr 1995 22:33:37 -0400
Message-Id: <950414223335_83745875@aol.com>
To: APRSSIG@tapr.org
Cc: Bruninga@greatlakes.nadn.navy.mil
Subject: Attn: Complaint Dept.

After watching 68a working its feet off on my camputator I just happened to hit the "R" key, hey! there was mail for me! Then I hit "B" and there were two new bulletins.. Please note that I hit the keys and LEARNED only then that I was being presented with something or that something was WAITING for me!

If this program, as fine as it is, is going to be used for any type of emergency communications or warning thereof, there should be some form or methode of advising you, the SYSOP, that there are new bulletins or there is mail for you just by watching the main map screen! Either two asterisks at the top of the screen, or a Upper Case "R" or "B" being displayed somewhere within the top 3 lines of the map screen notifying us that there is something for me to READ and READ NOW

The way it is now in 6.8a is is NOT suitable as a way to communicate between other sysops during an emergency, only to show objects, mobile or otherwise. I am sure now that Bob realizes the implications of what I have said will look it over - again, what else does he have to do this weekend - anyway?

Happy Easter or Passover to everyone....73 de Rod

From K2ADJ@aol.com Fri Apr 14 21:58:31 1995
Received: from mail06.mail.aol.com (mail06.mail.aol.com [152.163.172.108]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id VAA24620 for
<aprssig@tapr.org>; Fri, 14 Apr 1995 21:58:27 -0500
From: K2ADJ@aol.com
Received: by mail06.mail.aol.com
(1.37.109.11/16.2) id AA128014705; Fri, 14 Apr 1995 22:58:26 -0400
Date: Fri, 14 Apr 1995 22:58:26 -0400
Message-Id: <950414225825_83767777@aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:811] Re: Hurrica...

Thanks Bob for your suggestion regarding Hurricanes, will follow and at times
will beacon WIDE,WIDE,GATE so that others outside of my local area will be
able to see them.

By the way, if I want to spread the plots into other VHF areas, so I use
WIDE,GATE,WIDE or use WIDE,GATE,GATE,WIDE ??

73 de Rod

From Jon_Dickason@wb.xerox.com Sat Apr 15 11:38:51 1995
Received: from alpha.xerox.com (alpha.Xerox.COM [13.1.64.93]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id LAA27669 for
<aprssig@tapr.org>; Sat, 15 Apr 1995 11:38:40 -0500
From: Jon_Dickason@wb.xerox.com
Received: from pandora.cinops.xerox.com ([13.250.20.7]) by alpha.xerox.com with
SMTP id <14413(1)>; Sat, 15 Apr 1995 09:38:27 PDT
Received: from x-wb-ngm-smtp.cinops.xerox.com by pandora.cinops.xerox.com (4.1/
SMI-4.1)
id AA20927; Sat, 15 Apr 95 12:48:08 EDT
X-Nvlenv-01Date-Transferred: 15-Apr-1995 12:36:06 -0400; at
X-MC-0300-MS1.xerox
X-Nvlenv-01Date-Transferred: 15-Apr-1995 12:37:00 -0400; at
X-WB-NGM-SMTP.XEROX
X-Nvlenv-01Date-Posted: 15-Apr-1995 12:34:49 -0500; at
x-wb-0129-ms1.xerox
Date: Sat, 15 Apr 1995 09:36:39 PDT
To: aprssig@tapr.org
Subject: 6.8a ok now with Garmin 45
Message-Id: <"<2CF88F2F81CC2776>2CF88F2F81CC2776@x-wb-0129-ms1.xerox"@-SMF->

I got 6.8a and it now works with my Garmin 45. Thanks all.

Jon_Dickason@wb.xerox.com
N2JAC@WB2PSI
Rochester, NY
APRS on 144.39
From ac235@detroit.freenet.org Sat Apr 15 13:30:37 1995

Received: from detroit.freenet.org (detroit.freenet.org [147.240.63.150]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id NAA28617 for <APRSSIG@TAPR.ORG>; Sat, 15 Apr 1995 13:30:35 -0500
Received: (from ac235@localhost) by detroit.freenet.org (8.6.10/869.2) id OAA02329; Sat, 15 Apr 1995 14:30:33 -0400
Date: Sat, 15 Apr 1995 14:30:33 -0400
Message-Id: <199504151830.OAA02329@detroit.freenet.org>
From: ac235@detroit.freenet.org (Gerald Gomes Jr.)
To: APRSSIG@TAPR.ORG
Subject: SUBSCRIPT
Reply-To: ac235@detroit.freenet.org

SUBSCRIPT APRSSIG

From jra@ag9v.ampr.org Sat Apr 15 15:58:43 1995
Received: from udcps3.cps.udayton.edu (udcps3.cps.udayton.edu [131.238.17.3]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id PAA29193; Sat, 15 Apr 1995 15:58:36 -0500
Received: by udcps3.cps.udayton.edu (Smail3.1.26.7 #8) id m0s0EzP-0002XTC; Sat, 15 Apr 95 21:02 GMT
Received: (from jra@localhost) by ag9v.ampr.org (8.6.9/8.6.9) id OAA05660; Sat, 15 Apr 1995 14:00:10 -0400
Message-Id: <199504151800.OAA05660@ag9v.ampr.org>
Subject: PACK&\n
To: aprssig@tapr.org, hfsig@tapr.org, dsp93sig@tapr.org
Date: Sat, 15 Apr 1995 14:00:09 -0400 (EDT)
From: jra@ag9v.ampr.org
X-Mailer: ELM [version 2.4 PL23]
Content-Type: text
Content-Length: 1777

Attending the 1995 Dayton Hamvention? Time's running out to register for PACK*BASH!

What?

A new event for the digitally-inclined ham, featuring:

- * Buffet dinner (with cash bar)
- * Dewayne Hendricks, WA8DZP, speaking on PCS, SS, FCC, and other acronyms
- * Bob Bruninga, WB4APR, speaking on the Future of APRS
- * Prize raffle
- * TAPR special interest group meetings
- * "Birds of a Feather" gatherings

When?

Friday evening, April 28, 1995
Dinner starts at 7:00 pm
Speaker at 7:45
Meetings to begin after the speaker

Where?

TJ's Restaurant
2462 Dryden Road, Dayton
(Dryden Road exit, I75 -- across from the Holiday Inn)

How?

Dinner requires advance registration and payment BY APRIL 24th, 1995.
Seating for dinner only is limited, so register early! The cost is
\$16.00 per person, tax and tip included.

All amateurs are welcomed to attend, enjoy the speaker, and
participate in the meetings, although only those purchasing a dinner
can eat.

To register, contact:
PACK*BASH
c/o TAPR
8987-309 E. Tanque Verde Road #337
Tucson, AZ 85749-9399

Phone: (817) 383-0000
Fax: (817) 566-2544
Internet: TAPR@TAPR.ORG

Visa/Mastercard Accepted

Who?

PACK*BASH is co-sponsored by TAPR -- Tucson Amateur Packet Radio,
the national leader in digital communication -- and the Miami
Valley FM Association, Dayton's packet radio club.

For further information, contact TAPR, or email packbash@ag9v.ampr.org or
BASH@N8ACV.#DAY.OH.USA.NOAM

--

John Ackermann AG9V
Internet: jra@ag9v.ampr.org
Packet: AG9V@N8ACV.#DAY.OH.USA
From K2ADJ@aol.com Sat Apr 15 16:01:26 1995
Received: from mail02.mail.aol.com (mail02.mail.aol.com [152.163.172.66]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id QAA29217 for
<APRSSIG@tapr.org>; Sat, 15 Apr 1995 16:01:23 -0500
From: K2ADJ@aol.com
Received: by mail02.mail.aol.com
(1.37.109.11/16.2) id AA176999682; Sat, 15 Apr 1995 17:01:23 -0400
Date: Sat, 15 Apr 1995 17:01:23 -0400
Message-Id: <950415170122_84344019@aol.com>
To: APRSSIG@tapr.org
Subject: Saving Digi Path

Bob, I don't know if I am doing it wrong or I may have stumbled on a problem
with 68a... Let's hope it's me, hi.

When you hit the digi path, you hit O-S-D-S to SAVE a digi path, two boxes
show up on the screen informing you to

Path NAME and digipeaters

Enter TWO letter path followed by , and the digipeater list.

Well, I tried that with the "," and it was not entered into the Config.APR file properly, the whole line resembles the plain digipeater path. In fact I could not even download it from the config file..

I then reentered it again, but this time I replaced the "," with a ":" (colon with no spaces) and it took just like it should and was able to download it when I wanted to run it again.

So, it is me or the program, I am really not sure, hi..

73 de Rod

From W2HOB@aol.com Sat Apr 15 19:24:23 1995

Received: from mail06.mail.aol.com (mail06.mail.aol.com [152.163.172.108]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id TAA29690 for <aprssig@tapr.org>; Sat, 15 Apr 1995 19:24:20 -0500

From: W2HOB@aol.com

Received: by mail06.mail.aol.com

(1.37.109.11/16.2) id AA216871858; Sat, 15 Apr 1995 20:24:19 -0400

Date: Sat, 15 Apr 1995 20:24:19 -0400

Message-Id: <950415202417_84495404@aol.com>

To: aprssig@tapr.org

Subject: Question & Suggestion

Mainly for you Bob, WB4APR:

My question relates to the PHG rings around stations... If indeed the ring is accurate and denotes the transmitter range of the site, how does it relate to the receiver? By that, I mean to ask, if I increase my xmtr's output, the ring will grow, but really doesn't mean that the receiver started to receive better, does it? I assume the transmit and receive aren't related?

Second, If one stations's ring intersects another's without actually including the other station, does that mean they can communicate? Or, must one station be inside another station's ring to be able to communicate with it.

Now... a suggestion... when using the 43-line text, the characters get chopped off at the top where the boxes surround the text. Would it help if the boxes were eliminated and allow the text to be displayed in the color of the box? Hmmm... I like the 43-line text otherwise.

While I have the floor(!)... I can't remember how far back I noticed it, but it seems that in the various betas of the 6.8 generation, the speed that the computer talks to the TNC has been affected to the point that I get a lot of " *TNC not responding* " messages in the Longitude line of the upper lefthand box. No error messages and no crashes... the program seems to continue to work properly... just keep getting this annoying TNC message that

I'm sure isn't really hurting anything else. Any ideas?

Thanks for letting me ramble... I've got more later!(Hi)! 73 de Boyd AR

From janderson@ram.net Sat Apr 15 19:37:49 1995
Received: from ram.net (ram.net [199.97.216.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id TAA29794 for <aprssig@tapr.org>; Sat, 15 Apr 1995 19:37:46 -0500
Received: by ram.net (5.65/1.3-eef)
id AA02027; Sat, 15 Apr 95 20:35:33 -0400
From: janderson@ram.net (Jack Anderson)
To: aprssig@tapr.org
Subject: Re: [APRSSIG:821] Question & Suggestion
Date: Sat, 15 Apr 95 20:37:40 GMT
Message-Id: <15021591.0ae9@ram.net>
Version: RAMail 2.8n
Location: TYSON'S CORNER (2712) MCLEAN, VA

>While I have the floor(!)... I can't remember how far back I noticed it, but
>it seems that in the various betas of the 6.8 generation, the speed that the
>computer talks to the TNC has been affected to the point that I get a lot of
> " *TNC not responding* " messages in the Longitude line of the upper
>left hand box. No error messages and no crashes... the program seems to
>continue to work properly... just keep getting this annoying TNC message tha
>I'm sure isn't really hurting anything else. Any ideas?

I get this now too, and a lot of the other users in my area started seeing it with 6.8. It doesn't seem to hurt anything. Probably indicates a failure of the TNC to respond during a single attempt to communicate with it, but the notice doesn't go away when things are normal again.

Jack

From wnolle@fly.HiWAAY.net Sat Apr 15 20:12:54 1995
Received: from tiny.sprintlink.net (tiny.sprintlink.net [199.0.55.90]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id UAA29941 for <aprssig@tapr.org>; Sat, 15 Apr 1995 20:12:51 -0500
From: wnolle@fly.HiWAAY.net
Received: from fly.HiWAAY.net (fly.HiWAAY.net [204.214.4.2]) by tiny.sprintlink.net (8.6.9/8.6.9) with SMTP id VAA06135 for <aprssig@tapr.org>; Sat, 15 Apr 1995 21:12:50 -0400
Received: from hosts-169.HiWAAY.net by fly.HiWAAY.net;
(5.65/1.1.8.2/03Mar95-1246PM)
id AA10289; Sat, 15 Apr 1995 20:13:16 -0500
Message-Id: <Chameleon.950415201015.wnolle@wnolle.HiWAAY.net>
Date: Sat, 15 Apr 95 19:47:00 CDT
Reply-To: wnolle@fly.HiWAAY.net
To: aprssig@tapr.org
Subject: I have to agree

Bob i have to agree with one of the messages send by Boyd W2H0B on deleteing the boxes around the text when in vga mode. It's very very hard to read the text the way it is, specially for us older folks Hi.. Keep up the good work (Wars are being won Hi)...

```

      --\ /--
      . /  _  \ .
      | \ | (o)(o) | / |
-----o000o-----oo-----o000o-----
|               KE4EER               |
| PKT:KE4EER@K4BFT.#NOAL.AL.USA.NA |
|      [EM64sx]                      |
|      APRS 145.790Mhz                |
|      3458'34N-08629'53W            |
|-----o000o-----|
|      .ooo0      ( )                |
|      ( )        ) /                |
|      \ (        (_/                |
|      \_)                          |

```

From jkeck@smartdocs.com Sun Apr 16 10:02:42 1995
 Received: from warp10.smartdocs.com (smartdocs.com [204.118.4.2]) by
 dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id KAA00278 for
 <aprssig@tapr.org>; Sun, 16 Apr 1995 10:02:39 -0500
 Received: from pm62.smartdocs.com by warp10.smartdocs.com(8.6.12/SMARTDOCS-1.0)
 with id IAA15648 SMTP
 for <aprssig@tapr.org> on Sun, 16 Apr 1995 08:03:30 -0700
 Message-Id: <199504161503.IAA15648@warp10.smartdocs.com>
 X-Sender: jkeck@smartdocs.com
 X-Mailer: Windows Eudora Version 1.4.3
 Mime-Version: 1.0
 Content-Type: text/plain; charset="us-ascii"
 Date: Sun, 16 Apr 1995 08:03:25 -0700
 To: aprssig@tapr.org
 From: jkeck@smartdocs.com (Jim Keck)
 Subject: Question / Thoughts (W5YI Proposal)

Hi.....

I have heard that the FCC will be looking into this proposed limitation of methods to spread information via Amateur Radio....

Although as I understand the specific goal of this proposal is to limit ARRL generated messages and CW Practice on the HF Bands, if it succeeds can it or similiar decisions be applied that limit the transmission of APRS, Beacons, CQ Calls, or any other one way transmissions that are an everyday occurance in Amateur Radio.

I will admit that I have not read or studied this proposal, however, from what I have heard discussed about it...This proposal needs to be soundly rejected.

Should we be concerned?

73...Jim

From AA8JK@aol.com Sun Apr 16 11:08:06 1995
Received: from mail06.mail.aol.com (mail06.mail.aol.com [152.163.172.108]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id LAA00444 for
<aprssig@tapr.org>; Sun, 16 Apr 1995 11:08:03 -0500
From: AA8JK@aol.com
Received: by mail06.mail.aol.com
(1.37.109.11/16.2) id AA101928481; Sun, 16 Apr 1995 12:08:01 -0400
Date: Sun, 16 Apr 1995 12:08:01 -0400
Message-Id: <950416120800_84928966@aol.com>
To: aprssig@tapr.org
Subject: APRS EYEBALL AT HAMVENTION

After much deliberation, it has been decided the the 1995 APRS EYEBALL will
be held on Saturday, April 29, 1995 at the Mallard Landing Clubhouse in
Beavercreek. This is the same location as last year's Eyeball.

Although many people sent a vote for a Friday Eyeball, TAPR and the Miami
Valley FM Assoc. are hosting a dinner/packet forum for the packet crowd on
Friday night. To avoid conflicts, I have decided on Saturday for the Eyeball.

Pizza and soda will be available for purchase at the Eyeball. Plans at this
time are to take orders for pizza when one would arrive at the clubhouse.

Pizza and a few sodas should be in the \$5-6 range.

FACTS ABOUT THE 1995 APRS EYEBALL

PLACE:

Mallard Landing Clubhouse-Beavercreek, Ohio (East of Dayton) Just west of the
intersection of Kemp and North Fairfield Road.

TIME:

The Clubhouse will be open after 6 PM on 29 April, 1995. Pizza orders will
be taken until 7:30 or so. Please RSVP if you want some pizza, but might be
a little late.

TALK-IN:

We have been given permission to use the 145.41 (-600) repeater for talk-in
for Saturday night.

APRS STATIONS ON THE AIR IN DAYTON

I will have my gate up and operational for the Hamvention. AA8JK-4 is located
south of Dayton in Miamisburg. AA8JK-4 is also WIDE and a WX station. We

may have another WIDE close to Hara for Hamvention week.

Maps and additional information will be available at Hara.

I look forward to seeing all of you at Hamvention and at the Eyeball!

Steve Caesar AA8JK/VK4SID
2345 Mallard Lane #7
Beavercreek, Ohio 45431

Home: 513.429.1272
Work: 513.847.6663
Work FAX: 513.847.6691

Packet: AA8JK@n8jsf.oh.usa
Internet: AA8JK@aol.com
From W2HOB@aol.com Sun Apr 16 11:22:29 1995
Received: from mail02.mail.aol.com (mail02.mail.aol.com [152.163.172.66]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTTP id LAA00569 for
<aprssig@tapr.org>; Sun, 16 Apr 1995 11:22:19 -0500
From: W2HOB@aol.com
Received: by mail02.mail.aol.com
(1.37.109.11/16.2) id AA257589337; Sun, 16 Apr 1995 12:22:17 -0400
Date: Sun, 16 Apr 1995 12:22:17 -0400
Message-Id: <950416122216_84938272@aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:824] Question / ...

Please keep us posted about this FCC proposal... if anyone hears anything, do
us all a favor and post it here on the SIG. Thanks for the "alert".

73 de Boyd W2HOB@W2HOB.#SNJ.NJ.USA.NOAM (or w2hob@aol.com)

From K2ADJ@aol.com Sun Apr 16 11:35:02 1995
Received: from mail04.mail.aol.com (mail04.mail.aol.com [152.163.172.53]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTTP id LAA00634 for
<APRSSIG@tapr.org>; Sun, 16 Apr 1995 11:34:59 -0500
From: K2ADJ@aol.com
Received: by mail04.mail.aol.com
(1.37.109.11/16.2) id AA101500094; Sun, 16 Apr 1995 12:34:54 -0400
Date: Sun, 16 Apr 1995 12:34:54 -0400
Message-Id: <950416123453_84946494@aol.com>
To: Bruninga@greatlakes.nadn.navy.mil
Cc: APRSSIG@tapr.org
Subject: Storage of Digi Path

Mr.Bob, please accept my apologies on the reporting of a problem with the
storage of a digipath in 6.8a, there is no problem.

Received word from Boyd, W2HOB, that he tried the system out and it worked

for him.. So this morning I tried it again and followed through by loading it back into the system after storing it to the config file.. Yup, it works..

73 de Rod

From jkeck@smartdocs.com Sun Apr 16 13:54:48 1995
Received: from warp10.smartdocs.com (smartdocs.com [204.118.4.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id NAA01283 for <aprssig@tapr.org>; Sun, 16 Apr 1995 13:54:44 -0500
Received: from pm62.smartdocs.com by warp10.smartdocs.com(8.6.12/SMARTDOCS-1.0) with id LAA20162 SMTP
for <aprssig@tapr.org> on Sun, 16 Apr 1995 11:55:35 -0700
Message-Id: <199504161855.LAA20162@warp10.smartdocs.com>
X-Sender: jkeck@smartdocs.com (Unverified)
X-Mailer: Windows Eudora Version 1.4.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 16 Apr 1995 11:55:29 -0700
To: aprssig@tapr.org
From: jkeck@smartdocs.com (Jim Keck)
Subject: APRS/Ultermeter II WX Station

Hi.....

After obtaining some of the items to put together a remote WX station, I have come up with a few questions and concerns that I would like to throw at somebody who has already been there and done it.

I have learned that the Ultermeter II only gives the present conditions and the highest it has recorded since last being reset. That is unless one purchases that companion computer program and appropriate cable that the company offers as an optional item. So that is where I am at. Now I have the capability of seeing Highs and Lows during any period that has been recorded....

When the unit is placed at a remote location, it appears that this capability will again be lost, unless a piece of software exists that will allow the saving the APRS WX transmissions and ability to recall those readings for later use and/or graphing them to provide more useful information.

Your recommendations will be greatly appreciated.....

73....Jim

From jkeck@smartdocs.com Sun Apr 16 13:54:51 1995
Received: from warp10.smartdocs.com (smartdocs.com [204.118.4.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id NAA01287 for <aprssig@tapr.org>; Sun, 16 Apr 1995 13:54:46 -0500
Received: from pm62.smartdocs.com by warp10.smartdocs.com(8.6.12/SMARTDOCS-1.0)

with id LAA20165 SMTP
for <aprssig@tapr.org> on Sun, 16 Apr 1995 11:55:38 -0700
Message-Id: <199504161855.LAA20165@warp10.smartdocs.com>
X-Sender: jkeck@smartdocs.com (Unverified)
X-Mailer: Windows Eudora Version 1.4.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 16 Apr 1995 11:55:32 -0700
To: aprssig@tapr.org
From: jkeck@smartdocs.com (Jim Keck)
Subject: Southern CA APRS

Hi....

I would like to set up an APRS remailer in Southern CA on Packet
and need to find out the address of interested individuals.

Please reply direct via internet (jkeck@smartdocs.com) or Packet
(N6HNY@W6JW.#SOCA.CA.USA.NOAM) with your Internet and Packet address.

One of the first things we need to do is find out if anyone is
presently making use of 145.790 in the Southern CA area for something
besides APRS activity. Please monitor that frequency and make note of
anyone using it.

73...Jim (N6HNY)

From kc5ejk@onramp.net Sun Apr 16 14:01:13 1995
Received: from ns.onramp.net (ns.onramp.net [199.1.11.2]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id OAA01346 for
<aprssig@tapr.org>; Sun, 16 Apr 1995 14:01:11 -0500
Received: from [199.1.11.107] (dal07.onramp.net [199.1.11.107]) by ns.onramp.net
(8.6.5/8.6.5) with SMTP id OAA15091 for <aprssig@tapr.org>; Sun, 16 Apr 1995
14:01:05 -0500
Message-Id: <v01510101abb717311ad0@[199.1.11.124]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 16 Apr 1995 14:01:24 -0500
To: aprssig@tapr.org
From: kc5ejk@onramp.net (Robert Winingham)
Subject: Re: [APRSSIG:826] Re: Question / ...

>Please keep us posted about this FCC proposal... if anyone hears anything, do
>us all a favor and post it here on the SIG. Thanks for the "alert".
>
>73 de Boyd W2HOB@W2HOB.#SNJ.NJ.USA.NOAM (or w2hob@aol.com)

Please DON'T, it is all over the other internet ham sigs and news groups,
this is not the place for it. It is NOT a FCC proposal it was a
proposal sent to the FCC.

Thanks

BOB KC5EJK Dallas

From W2HOB@aol.com Sun Apr 16 14:42:21 1995
Received: from mail02.mail.aol.com (mail02.mail.aol.com [152.163.172.66]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id OAA01796 for
<aprssig@tapr.org>; Sun, 16 Apr 1995 14:42:16 -0500
From: W2HOB@aol.com
Received: by mail02.mail.aol.com
(1.37.109.11/16.2) id AA077061335; Sun, 16 Apr 1995 15:42:15 -0400
Date: Sun, 16 Apr 1995 15:42:15 -0400
Message-Id: <950416154214_85079988@aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:830] Re: Questio...

Sorry, I wasn't aware that the FCC proposal was found elsewhere... I just
heard about it on the SIG. No problem.

73 de Boyd AR

From W2HOB@aol.com Sun Apr 16 14:42:21 1995
Received: from mail06.mail.aol.com (mail06.mail.aol.com [152.163.172.108]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id OAA01795 for
<aprssig@tapr.org>; Sun, 16 Apr 1995 14:42:16 -0500
From: W2HOB@aol.com
Received: by mail06.mail.aol.com
(1.37.109.11/16.2) id AA228531334; Sun, 16 Apr 1995 15:42:14 -0400
Date: Sun, 16 Apr 1995 15:42:14 -0400
Message-Id: <950416154213_85079973@aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:828] APRS/Ulmet...

This is in reply to Jim Keck (jkeck@smartdocs.com) re: the U-II...

Hello Jim... your problem really isn't a problem in a way. Yes, the U-II
will save the HI's and LO's of Temp, Rain, Wind Speed until reset, but APRS
will only save the Rainfall for the last 1-hr and 24-hr periods. After that,
APRS resets itself and only reads what U-II subsequently sends it.

Sure, you could walk over to the U-II and still read the Hi's and Lo's, but AP
RS doesn't care after those 1-hr and 24-hr periods have "expired". That's the
R00 and P00 parms you see. So no RESET of the U-II is necessary if it is
remorely located. I am wrestling with this now though... I would like to move
W2HOB-14 closer to the NJ coastline but fear that it would have to be reset
because of some unthoughtof glitch which will lockup the weather station and
NO OUTPUT would come forth! It has happened and was easily resolved by
walking across the room, disconnecting the battery and power plug and
bringing power back to it... kind of a U-II "re-boot", but... this has
nothing to do with the weather string (in hex I think) that comes from U-II to
APRS (COM2: at my place).

APRS will continue to use that string and cause it's own "timers" to use

"new" data from U-II. Now - have I made this as clear as mud on a foggy day??

There is a program called AUTOWX, version 5.?, that is fed by U-II and outputs, on-the-air, in APRS format so all monitoring stations will plot that station on their maps just as if APRS was sending it. Now, a station could connect TO that station and read HI's and LO's and then disconnect. It's on many of the BBS's and could be on CompuServe... not sure about AOL. Obviously, if you're running that code, you have no map to look at since you're running it and not APRS. Hmmm... wish we could have it boths ways, eh? Have fun es CUL.

73 de Boyd

From keating@nosc.mil Sun Apr 16 18:36:48 1995

Received: from trout.nosc.mil (trout.nosc.mil [128.49.16.7]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id SAA02762 for <aprssig@tapr.org>; Sun, 16 Apr 1995 18:36:32 -0500

Received: from manta.nosc.mil by trout.nosc.mil (4.1/SMI-4.1)

id AA19448; Sun, 16 Apr 95 16:36:24 PDT

Received: from [128.49.184.29] (44209rk.nosc.mil) by manta.nosc.mil (4.1/SMI-4.1)

id AA25387; Sun, 16 Apr 95 16:36:08 PDT

X-Sender: keating@manta.nosc.mil

Message-Id: <abb7580602021004513d@[128.49.184.29]>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Sun, 16 Apr 1995 16:34:53 -0700

To: aprssig@tapr.org

From: keating@nosc.mil (Roger Keating)

Subject: Re: [APRSSIG:824] Question / Thoughts (W5YI Proposal)

Jim Keck:

> I have heard that the FCC will be looking into this proposed
> limitation of methods to spread information via Amateur Radio....
[...]

> I will admit that I have not read or studied this proposal,
> however, from what I have heard discussed about it...This proposal
> needs to be soundly rejected.

>

> Should we be concerned?

Jim, I don't know if the proposal will affect APRS, or anyone including the ARRL of course, because it is very easy to get around this prohibition. APRS stations could send the same information to a particular station, rather than not, and any other stations which monitor can also use the information. No license is required to operate an APRS program in receive only, monitoring what is on the air, just as no license is required to fox hunt using DF equipment.

The reason for concern ought to be the lack of enforcement of existing rules by the FCC. The problem stations wouldn't be problems if the FCC would actually exercise their sole authority and enforce the long existing regulations a bit.

Attempts to curb the problem with more rules is a misunderstanding of the cause of the problem, and so the actual solution. But this is far afield of ARPS, so I'll stop here.

Roger Keating - KD6EFQ
keating@nosc.mil DM12jr

From jbaum@freenet.columbus.oh.us Sun Apr 16 21:08:35 1995
Received: from ronco.freenet.columbus.oh.us (ronco.freenet.columbus.oh.us [164.107.107.13]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id VAA03564 for <aprssig@tapr.org>; Sun, 16 Apr 1995 21:08:12 -0500
Received: from acme.freenet.columbus.oh.us by ronco.freenet.columbus.oh.us (8.6.10/4.940426) id WAA28142; Sun, 16 Apr 1995 22:07:06 -0400
Received: by acme.freenet.columbus.oh.us (8.6.10) id WAA12863; Sun, 16 Apr 1995 22:07:28 -0400
Date: Sun, 16 Apr 1995 22:03:53 -0400 (EDT)
From: John Baum <jbaum@freenet.columbus.oh.us>
Subject: Re: [APRSSIG:832] Re: APRS/Ulmet...
To: W2HOB@aol.com
cc: aprssig@tapr.org
In-Reply-To: <950416154213_85079973@aol.com>
Message-ID: <Pine.3.07.9504162251.A10211-b1000000@acme>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 16 Apr 1995 W2HOB@aol.com wrote:

> R00 and P00 parms you see. So no RESET of the U-II is necessary if it is
> remotely located. I am wrestling with this now though... I would like to move
> W2HOB-14 closer to the NJ coastline but fear that it would have to be reset
> because of some unthoughtof glitch which will lockup the weather station and
> NO OUTPUT would come forth! It has happened and was easily resolved by
> walking across the room, disconnecting the battery and power plug and
> bringing power back to it... kind of a U-II "re-boot", but... this has
> nothing to do with the weather string (in hex I think) that comes from U-II to
> APRS (COM2: at my place).

The event that occurred that caused the unit to lock up might have been the result of a very near massive static electric discharge (near lightning strike). I've had my station up for about a year, and had this happen once. Took about 2 days to figure out what happened, and how to correct it.

The Ohio Mapmaker - KB8JX0 - Sysop APRS OHIO LLBBS (614) 443-4249
Packet address: KB8JX0@W8CQK.#CMH.OH.USA
Cruise Missile Address: 39 56.35 N 082 58.89 W
The 137th most knowledgeable person about A.P.R.S.

From ChicagoWx@aol.com Sun Apr 16 21:41:06 1995
Received: from mail02.mail.aol.com (mail02.mail.aol.com [152.163.172.66]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id VAA03755 for <APRSSIG@tapr.org>; Sun, 16 Apr 1995 21:40:47 -0500
From: ChicagoWx@aol.com
Received: by mail02.mail.aol.com
(1.37.109.11/16.2) id AA292246439; Sun, 16 Apr 1995 22:40:39 -0400
Date: Sun, 16 Apr 1995 22:40:39 -0400
Message-Id: <950416224037_85452006@aol.com>
To: APRSSIG@tapr.org
Subject: APRS 6.8a TNC not Responding

Hi,
I would also like to third the fact that I am getting the TNC NOT RESPONDING in the upper right hand corner, more then I ever did and the radio is transmitting. Im sure a small glitch that can be taken care of in the next update.

Ron N9QGS
U-II reporting station in Streamwood, IL

From ChicagoWx@aol.com Sun Apr 16 21:45:41 1995
Received: from mail06.mail.aol.com (mail06.mail.aol.com [152.163.172.108]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id VAA03783 for <aprssig@tapr.org>; Sun, 16 Apr 1995 21:45:23 -0500
From: ChicagoWx@aol.com
Received: by mail06.mail.aol.com
(1.37.109.11/16.2) id AA107266714; Sun, 16 Apr 1995 22:45:14 -0400
Date: Sun, 16 Apr 1995 22:45:14 -0400
Message-Id: <950416224035_85451983@aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:828] APRS/Ulmet...

In regards to the message above saving WX conditions, there is a program called AUTOWX, and it will do just that, and you can inport that into the U-II TSR program and graph it them also, but APRS will also I believe save your WX data also, but not in a format usable by other programs but you can do a REPLAY under FILES (F) command.
Hope this helps.

From jeff.brenton@espi.com Sun Apr 16 21:57:54 1995
Received: from quake.xnet.com (quake.xnet.com [198.147.221.34]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id VAA03871 for <aprssig@tapr.org>; Sun, 16 Apr 1995 21:57:26 -0500
From: jeff.brenton@espi.com
Received: from espi.com by quake.xnet.com (8.6.11/XNet-1.2R)
with UUCP id VAA27180 for aprssig@tapr.org; Sun, 16 Apr 1995 21:57:21 -0500
Received: by espi.com
id 0U2LP03B Sun, 16 Apr 95 21:24:23 -0500
Message-ID: <9504162124.0U2LP03@espi.com>
Organization: ESP-BBS
X-Mailer: TBBS/PIMP v3.25

Date: Sun, 16 Apr 95 21:24:23 -0500
Subject: Subscribe
To: aprssig@tapr.org

info

From JCOSTER@WVNM.WVNET.EDU Mon Apr 17 07:05:16 1995
Received: from WVNM.WVNET.EDU (wvnm.wvnet.edu [129.71.2.4]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id HAA06736 for
<aprssig@TAPR.ORG>; Mon, 17 Apr 1995 07:05:10 -0500
Message-Id: <199504171205.HAA06736@dingus.n5lyt.datarace.com>
Received: from WVNM.WVNET.EDU by WVNM.WVNET.EDU (IBM VM SMTP V2R2)
with BSMTP id 1945; Mon, 17 Apr 95 08:03:53 EDT
Received: from WVNM.WVNET.EDU (NJE origin JCOSTER@WVNM) by WVNM.WVNET.EDU
(LMail V1.2a/1.8a) with BSMTP id 1780; Mon, 17 Apr 1995 08:03:53 -0400
Date: Mon, 17 Apr 1995 08:03:53 -0400 (EDT)
From: <JCOSTER@WVNM.WVNET.EDU>
To: <aprssig@TAPR.ORG>
Subject: 6.8a--no color

I have been running 6.7 and 6.8a. In neither version do I have any color or
color indicators (blue=wx, uplink=yellow, etc) on my CGA screen. I run
APRS on an XT with the CGA monitor. Any help? Tnx de Jack, WF8X.
From bruninga@greatlakes.nadn.navy.mil Mon Apr 17 08:14:41 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id IAA06930 for
<aprssig@tapr.org>; Mon, 17 Apr 1995 08:14:37 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA16740; Mon, 17 Apr 95 09:13:45 EDT
Date: Mon, 17 Apr 1995 09:13:45 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:821] Question & Suggestion
In-Reply-To: <950415202417_84495404@aol.com>
Message-Id: <Pine.SUN.3.91.950417090424.15986E@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 15 Apr 1995 W2HOB@aol.com wrote:

> My question relates to the PHG rings around stations... If indeed the ring is
> accurate and denotes the transmitter range of the site, how does it relate to
> the receiver? By that, I mean to ask, if I increase my xmtr's output, the
>
> Second, If one station's ring intersects another's without actually
> including the other station, does that mean they can communicate? Or, must
> one station be inside another station's ring to be able to communicate with

APR REPLY: Its a problem to show both XMT and RCV range. Impossible to
do it with just one ring. So interpret it as a XMT ring. If the
transmitters are both nominally 10 watts, then the XMT and RCV rings are
the same. With this design, the rings only need to intersect for COMMS

to be possible, but take it all with a grain of salt!

> computer talks to the TNC has been affected to the point that I get a lot of
> " *TNC not responding* " messages in the Longitude line of the upper

APR REPLY: This can also happen each time a PACKET comes in at the same time as APRS is checking the TNC. Is frequent occurrence on busy nets... As long as its working, ignore the message.

From seront@seism1.ess.sunysb.edu Mon Apr 17 08:22:26 1995

Received: from CCMail.SUNYSB.EDU (ccmail.sunysb.edu [129.49.1.103]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id IAA07048 for <aprssig@tapr.org>; Mon, 17 Apr 1995 08:22:20 -0500

Received: from seism1.ess.sunysb.edu by ccmail.sunysb.edu (PMDf V4.3-7 #8051) id <01HPFVA1BTE00L8UBZ@ccmail.sunysb.edu>; Mon, 17 Apr 1995 09:22:12 EDT

Received: from corto (corto.ess.sunysb.edu) by seism1.ess.sunysb.edu (4.1/SMI-4.1) id AA07984; Mon, 17 Apr 95 09:21:31 EDT

Date: Mon, 17 Apr 1995 09:22:58 -0500

From: seront@seism1.ess.sunysb.edu (Bernard Seront)

Subject: Re: [APRSSIG:838] 6.8a--no color

X-Sender: seront@seism1.ess.sunysb.edu

To: aprssig@tapr.org, aprssig@tapr.org

Message-id: <9504171321.AA07984@seism1.ess.sunysb.edu>

MIME-version: 1.0

X-Mailer: Windows Eudora Version 1.4.4

Content-type: text/plain; charset="us-ascii"

Content-transfer-encoding: 7BIT

At 07:22 AM 4/17/95 -0500, JCOSTER@WVNM.WVNET.EDU wrote:

>I have been running 6.7 and 6.8a. In neither version do I have any color or
>color indicators (blue=wx, uplink=yellow, etc) on my CGA screen. I run
>APRS on an XT with the CGA monitor. Any help? Tnx de Jack, WF8X.
>

Not a problem.

aprs uses 640*200 mode in cga which is a b/w mode.

If you want colors with a cga display, you have to use 320*200, which is not enough for the maps in aprs (and so not available).

Concerning the cga display, i also have to use (what a pity!): we have in cga the same problem as in vga 43 lines; the characters at the bottom of the screen are "eaten" by the box surrounding them and quite difficult to read.

Bernard,KB2TGH

From bruninga@greatlakes.nadn.navy.mil Mon Apr 17 08:27:29 1995

Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id IAA07114 for <aprssig@tapr.org>; Mon, 17 Apr 1995 08:27:23 -0500

Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1) id AA16872; Mon, 17 Apr 95 09:26:37 EDT

Date: Mon, 17 Apr 1995 09:26:36 -0400 (EDT)

From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>

To: aprssig@tapr.org

Subject: Re: [APRSSIG:824] Question / Thoughts (W5YI Proposal)

In-Reply-To: <199504161503.IAA15648@warp10.smartdocs.com>
Message-Id: <Pine.SUN.3.91.950417091633.15986F-100000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 16 Apr 1995, Jim Keck wrote:

>
> I have heard that the FCC will be looking into this proposed
> limitation of methods to spread information via Amateur Radio....
>
> Although as I understand the specific goal of this proposal is
> to limit ARRL generated messages and CW Practice on the HF Bands, if
> it succeeds can it or similiar decisions be applied that limit the
> transmission of APRS, Beacons, CQ Calls, or any other one way
> transmissions that are an everyday occurance in Amateur Radio.
>

APR REPLY: The proposal should be soundly rejected. Having studied every possible method of networking and interlinking data and human communications in the NAVY, we kept coming back to the simple BROADCAST as THE MOST EFFECTIVE way to desiminate information quickly and effeciently. ON a tactical net, EVERYONE listens, and the station with new INFO transmits it to the group! As soon as you start ACKing receipt by every RECEIVER, you end up spending more time ACKING then sending new info. This applies to plain ole'voice nets as well as digital.

By the way, this is what separates APRS from DX clusters, and CONVERSE nodes. APRS sends and does NOT expect an ACK. To give some confidence to message delivery, there are two mechanisms: 1) Redundant but decaying transmissions to account for garbled or collided packets, and 2) heart beat signals from all receivers indicating that they are ON LINE and threfore probably receiving...

P.S. For those that complain about APRS redundant transmissions, suggest that they monitor a DX cluster or CONVERSE node, and count the number of total packets transmitted (to get the same one-liners across) and I think they will count a LOT more packets! hi hi

From bruninga@greatlakes.nadn.navy.mil Mon Apr 17 08:36:28 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id IAA07222 for
<aprssig@tapr.org>; Mon, 17 Apr 1995 08:36:14 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA17111; Mon, 17 Apr 95 09:35:09 EDT
Date: Mon, 17 Apr 1995 09:35:09 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:828] APRS/Ultmeter II WX Station
In-Reply-To: <199504161855.LAA20162@warp10.smartdocs.com>
Message-Id: <Pine.SUN.3.91.950417092942.15986H-100000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 16 Apr 1995, Jim Keck wrote:

>
> I have learned that the Ultmeter II only gives the present
> conditions and the highest it has recorded since last being reset.
> That is unless one purchases that companion computer program and
> appropriate cable that the company offers as an optional item. So
> that is where I am at. Now I have the capability of seeing Highs
> and Lows during any period that has been recorded....
>
> When the unit is placed at a remote location, it appears that
> this capability will again be lost, unless a piece of software exists
> that will allow the saving the APRS WX transmissions and ability to
> recall those readings for later use and/or graphing them to provide
> more useful information.

>
APR REPLY: Yes, and no. The U-II internally saves the highest and the lowest (I believe, I don't use it that way...) but all that APRS does is take a SAMPLE reading every N minutes. This is an instantaneous SAMPLE and will only show the conditions at that instant. Same thing for a remote U-II. Only instantaneous data.

But APRS can be made to save all of these reports to disk in a track history file by simply turning the POS filter off. Then you will get a trend history of all of these samples. This should work for remotes too. (someone with a remote can confirm this?)

Finally, hold your breath, Peet Bros may be doing something to help us...

From bruninga@greatlakes.nadn.navy.mil Mon Apr 17 08:56:09 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id IAA07465 for
<aprssig@tapr.org>; Mon, 17 Apr 1995 08:55:55 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA17620; Mon, 17 Apr 95 09:54:55 EDT
Date: Mon, 17 Apr 1995 09:54:54 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:838] 6.8a--no color
In-Reply-To: <199504171205.HAA06736@dingus.n5lyt.datarace.com>
Message-Id: <Pine.SUN.3.91.950417094735.15986J-100000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 17 Apr 1995 JCOSTER@WVNM.WVNET.EDU wrote:

> I have been running 6.7 and 6.8a. In neither version do I have any color or
> color indicators (blue=wx, uplink=yellow, etc) on my CGA screen. I run
> APRS on an XT with the CGA monitor. Any help? Tnx de Jack, WF8X.
>
APR REPLY: There is NO color on CGA in HIGH RES mode, no matter what

software you run.... hi hi
APRS always uses HIGHRES

From bruninga@greatlakes.nadn.navy.mil Mon Apr 17 09:12:53 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id JAA07678 for
<aprssig@tapr.org>; Mon, 17 Apr 1995 09:12:26 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA18004; Mon, 17 Apr 95 10:10:10 EDT
Date: Mon, 17 Apr 1995 10:10:10 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: MAKING 100,000 USGS MAPS!
Message-Id: <Pine.SUN.3.91.950417095543.15986K-1000000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I talked to W7KKE after viewing some frustrations by individual map makers about the inability of CONV100b.bas to handle large numbers of points in dense areas. He has repsoonded with CONV100C.bas which eliminates the problem. He says it easily handles up to 18,000 points and he still has not been able to crash it...

So now, using CONV100C and then MAPFIX68 anyone (with a lot of time on his hands) can make street level maps. Here is what Ken, W7KKE reports:

To get the data down to a usable (under 3k points) map file at street level, he usually targets a 4 mile range map. In dense urban areas, this may only be a 2 mile map. The amount of time to do this takes an average 8 hours (and he is well up the learning curve!)

But he also has a digitizer (11 inches square) and concludes that the CD ROM approach is slightly better for him cuz he doesnt have to find good quality paper maps.

APRS CONCLUSION: Dont overlook the ability of everyone with a GPS to simply save a track history file of where he drives and then replay that in MAPFIX68 to draw his own favorite roads onto existing maps. Having a street level map is impressive, and is ideal for a public service event contained within a few mile area, BUT street level detail is not important when mobiles are moving above 30 MPH and stretched over dozens of miles. They will pass thorough a 2 mile detail map in only 4 minutes...

So before you get frustrated with maps, decide what your overall objective is. Once you decide that CDRom data is for you, then go for it! Its fun and adicting! (ugh)

From seront@seism1.ess.sunysb.edu Mon Apr 17 11:19:51 1995
Received: from CCMAIL.SUNYSB.EDU (ccmail.sunysb.edu [129.49.1.103]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id LAA08172 for <aprssig@tapr.org>; Mon, 17 Apr 1995 11:19:46 -0500

Received: from seism1.ess.sunysb.edu by ccm1.ess.sunysb.edu (PMDf V4.3-7 #8051)
id <01HPFZ6YCHQ00L91TD@ccm1.ess.sunysb.edu>; Mon, 17 Apr 1995 11:14:14 EDT
Received: from cort0 (cort0.ess.sunysb.edu)
by seism1.ess.sunysb.edu (4.1/SMI-4.1) id AA08055; Mon, 17 Apr 95 11:13:34 EDT
Date: Mon, 17 Apr 1995 11:14:59 -0500
From: seront@seism1.ess.sunysb.edu (Bernard Seront)
Subject: other questions and suggestions
X-Sender: seront@seism1.ess.sunysb.edu
To: aprssig@tapr.org
Message-id: <9504171513.AA08055@seism1.ess.sunysb.edu>
MIME-version: 1.0
X-Mailer: Windows Eudora Version 1.4.4
Content-type: text/plain; charset="us-ascii"
Content-transfer-encoding: 7BIT

I played with aprs all the week-end so here is a few comments:

I understand that transmission of redundant information (in the case of aprs) is much more efficient than usual converse mode. But this is not a reason to send more packets than needed. I see a lot of aprs beacon packets here that seem useless, ie contain only a comment like "aprs 0.0x in line". I would say (or perhaps we use the beacon in a false manner?) that a position packet with some comment is enough to report a fixed station. Also, the actual usual timing of 15 min is too small I think. Please understand me: I do not care of these complains about aprs cluttering frequencies with beacons, but in respect for everybody, and for the efficiency of the aprs network, we have to send no more information than needed.

Concerning aprs maps: I found some times that the map becomes hard to read when there is a lot of stations. An optional mode with only small dots replacing all the big icons (houses, cars, digi, towers, apple) would make them more readable. We just need a color code to distinguish between mobiles, fixed stations, digi, wx....

One last question: what about this enigmatic file in the doc called voxrptrs.txt. The content looks like very interesting! any news on this topic. (for everybody except Bob and Keith: you did read this file did you?).

Bernard, KB2TGH

<<><><>> Bernard Seront
| | e-mail: seront@seism1.ess.sunysb.edu
| (o)(o)
| | addr: Department of Earth and Space Sciences
| | State University of New-York at Stony Brook
| | STONY BROOK, NY, 11794-2100, USA
| | phone: (516)632-8302 fax: (516)632-8240
/ |

From martinbw@TEN-NASH.TEN.K12.TN.US Mon Apr 17 17:11:02 1995
Received: from ten-nash.ten.k12.tn.us (ten-nash.ten.k12.tn.us [198.146.3.220]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id RAA09716 for <aprssig@tapr.org>; Mon, 17 Apr 1995 17:10:59 -0500

Received: from oscar.cayman.adclab.bls.com (cayman68.adclab.bls.com)
by TEN-NASH.TEN.K12.TN.US (PMDF V4.3-10 #7183)
id <01HPGBN109A88Y6RSE@TEN-NASH.TEN.K12.TN.US>; Mon,
17 Apr 1995 17:10:53 -0600 (CST)
Date: Mon, 17 Apr 1995 17:08:32 -0600
From: "Bruce W. Martin" <martinbw@TEN-NASH.TEN.K12.TN.US>
Subject: Re: [APRSSIG:842] Re: APRS/Ultermeter II WX Station
To: aprssig@tapr.org
Message-id: <9504171708.AA32850@oscar.cayman.adclab.bls.com>
MIME-version: 1.0
X-Mailer: InterCon TCP/Connect II 2.1.2
Content-type: Multipart/Mixed;boundary=part_ABB8510D000843F6000000001
Content-transfer-encoding: 7BIT

--part_ABB8510D000843F6000000001
Content-Type: Text/Plain; charset=US-ASCII
Content-Disposition: Inline

> On Sun, 16 Apr 1995, Jim Keck wrote:
> >
> > I have learned that the Ultermeter II only gives the present
> > conditions and the highest it has recorded since last being reset.
---stuff Deleted---
> >
> APR REPLY: Yes, and no. The U-II internally saves the highest and
> the lowest (I believe, I dont use it that way...) but all that APRS
> does is take a SAMPLE reading every N minutes. This is an
> instantaneous SAMPLE and will only show the conditions at that
> instant. Same thing for a remote U-II. Only instantaneous data.
>
> But APRS can be made to save all of these reports to disk in a
> track history file by simply turning the POS filter off. Then you
> will get a trend history of all of these samples. This should work
> for remotes too. (someone with a remote can confirm this?)
>

Is the U-II by Peet Bros the only unit to work with APRS? What about the Davis
instruments WX stuff.

--part_ABB8510D000843F6000000001
Content-Type: Text/Plain; charset=US-ASCII
Content-Disposition: Inline

* Bruce W. Martin Internet: martinbw@ten-nash.ten.k12.tn.us *
* 4558 Brooke Valley Dr. Internet: martinbw@jackatak.theporch.com *
* Hermitage TN 37076-2650 Internet: bmartin@adclab.bls.com *
* Voice: (615) 872-9942 AOL: Dragon16 *
* FAX/MODEM: (615) 885-4182 HAM Call: KQ4TV *
* Work: (615) 244-2022 *

* There is no such thing as a computer that is too fast. *

--part_ABB8510D000843F600000001--

From mmunster@qualcomm.com Mon Apr 17 17:14:23 1995
Received: from happy.qualcomm.com (happy.qualcomm.com [129.46.50.16]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id RAA09733 for
<aprssig@tapr.org>; Mon, 17 Apr 1995 17:14:20 -0500
Received: from [129.46.12.181] (mmunster-mac.qualcomm.com [129.46.12.181]) by
happy.qualcomm.com (8.6.10/QC-BSD-2.5) with SMTP id PAA13764 for
<aprssig@tapr.org>; Mon, 17 Apr 1995 15:14:17 -0700
X-Sender: mmunster@happy
Message-Id: <abb8a6522502100482ef@[129.46.12.181]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 17 Apr 1995 15:14:17 -0800
To: aprssig@tapr.org
From: mmunster@qualcomm.com (Marvin Munster x5388)
Subject: Re: [APRSSIG:829] Southern CA APRS

> Hi....
>
> I would like to set up an APRS remailer in Southern CA on Packet
> and need to find out the address of interested individuals.
>
> Please reply direct via internet (jkeck@smartdocs.com) or Packet
> (N6HNY@W6JW.#SOCA.CA.USA.NOAM) with your Internet and Packet address.
>
> One of the first things we need to do is find out if anyone is
> presently making use of 145.790 in the Southern CA area for something
> besides APRS activity. Please monitor that frequency and make note of
> anyone using it.
>
> 73...Jim (N6HNY)

Sure, add my name to it and we will see what is going on.

Marvin

Marvin J. Munster
mmunster@qualcomm.com
WB6PKK @ KJ6VC.#SOCA.CA.US.NOAM

"As the fading light of a dying day filtered through the window blinds,
Roger stood over his victim with a smoking .45, surprised at the serenity
that filled him after pumping six slugs into the bloodless tyrant that had
mocked him day after day, and then he shuffled out of the office with one
last look back at the shattered computer terminal lying there like a
silicon armadillo left to rot on the information highway."

From gerry@cs.tamu.edu Mon Apr 17 17:52:39 1995
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id RAA10092 for
<aprssig@tapr.org>; Mon, 17 Apr 1995 17:52:36 -0500
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by
cs.tamu.edu (8.6.10/8.6.4) with ESMTP id RAA19886; Mon, 17 Apr 1995 17:51:39 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id RAA07257; Mon,
17 Apr 1995 17:51:34 -0500
Message-Id: <199504172251.RAA07257@solar.cs.tamu.edu>
Subject: Looking for a SubCarrier Audio receiver source
To: cactus-intertie@stat.com, armadillo@cs.tamu.edu, aprssig@tapr.org
Date: Mon, 17 Apr 1995 17:51:33 -0500 (CDT)
X-Mailer: ELM [version 2.4 PL23]
Content-Type: text
Content-Length: 866

I'm doing some work with one of the labs on campus here at Texas A&M, and
we're about to make differential GPS (mapping grade, not survey grade)
available to the community. One hang-up appears to be the ready availability
of USER receiver hardware. We're planning to encode it with a standard TNC,
so what we need is something that puts out narrowband audio to feed to a
receiving TNC.

Any suggestions as to where we can send potential community users would be
appreciated. We, too, will have to get a couple, but we don't have to supply
the world!

73, gerry N5JXS

--

Gerry Creager N5JXS * SAREX Co-Investigator
gerry@cs.tamu.edu * A little radio that lets kids talk
gcreager@gothamcity.jsc.nasa.gov * to astronauts, and smile

From jbaum@freenet.columbus.oh.us Mon Apr 17 17:55:35 1995
Received: from ronco.freenet.columbus.oh.us (ronco.freenet.columbus.oh.us
[164.107.107.13]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id
RAA10115 for <aprssig@tapr.org>; Mon, 17 Apr 1995 17:55:31 -0500
Received: from acme.freenet.columbus.oh.us by ronco.freenet.columbus.oh.us
(8.6.10/4.940426)
id SAA28469; Mon, 17 Apr 1995 18:55:02 -0400
Received: by acme.freenet.columbus.oh.us (8.6.10) id SAA11520; Mon, 17 Apr 1995
18:55:25 -0400
Date: Mon, 17 Apr 1995 18:43:00 -0400 (EDT)
From: John Baum <jbaum@freenet.columbus.oh.us>
Subject: Re: [APRSSIG:844] MAKING 100,000 USGS MAPS!
To: aprssig@tapr.org
cc: aprssig@tapr.org
In-Reply-To: <Pine.SUN.3.91.950417095543.15986K-100000@greatlakes.nadn.navy.mil>
Message-ID: <Pine.3.07.9504171858.A6966-c100000@acme>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 17 Apr 1995, Robert Bruninga wrote:

> So now, using CONV100C and then MAPFIX68 anyone (with a lot of time on
> his hands) can make street level maps. Here is what Ken, W7KKE reports:
>
> To get the data down to a usable (under 3k points) map file at street
> level, he (W7KKE) usually targets a 4 mile range map. In dense urban areas,
> this
> may only be a 2 mile map. The amount of time to do this takes an average
> 8 hours (and he is well up the learning curve!)

> APRS CONCLUSION: Dont overlook the ability of everyone with a GPS to
> simply save a track history file of where he drives and then replay that
> in MAPFIX68 to draw his own favorite roads onto existing maps. Having a
> street level map is
> impressive, and is ideal for a public service event contained within a
> few mile area, BUT street level detail is not important when mobiles are
> moving above 30 MPH and stretched over dozens of miles. They will pass
> thorough a 2 mile detail map in only 4 minutes...
>
> So before you get frustrated with maps, decide what your overall
> objective is. Once you decide that CDRom data is for you, then go for
> it! Its fun and adicting! (ugh)
>
>

Alright, now for some words from a pen and pencil map maker,
I tried the CONV100C.EXE this weekend, and it works, nicely, if you want a
lot of local detail in a small area. I used it for a 1.5 mile urban area at
19200 point per degree. Total time spent on the project was 5 hours. In my
opinion, this will be the way to go for any urban mapping project. If I were
to do it manually, it would have taken about 16 to 20 hours, and not have been
as good. (2400 ppd vs 19200 ppd).

Word of warning - it ain't easy to get the hang of how to do the maps.
(could be old dog vs. new tricks) But, once you figure it out
(the instructions are literal in there meaning) and get a few under your
belt, it's not bad (the 1:100,000 that is, the 1:250,000 still does not have
the details I need). - Map making is fun. Give it a try.

The Ohio Mapmaker - KB8JX0 - Sysop APRS OHIO LLBBS (614) 443-4249
Packet address: KB8JX0@W8CQK.#CMH.OH.USA
Cruise Missile Address: 39 56.35 N 082 58.89 W
The 137th most knowledgable person about A.P.R.S.

From gerry@cs.tamu.edu Mon Apr 17 19:23:45 1995
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id TAA10511 for
<aprssig@tapr.org>; Mon, 17 Apr 1995 19:23:42 -0500

Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id TAA21519 for <aprssig@tapr.org>; Mon, 17 Apr 1995 19:23:41 -0500

From: Gerald J Creager <gerry@cs.tamu.edu>

Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id TAA01287 for aprssig@tapr.org; Mon, 17 Apr 1995 19:23:38 -0500

Message-Id: <199504180023.TAA01287@solar.cs.tamu.edu>

Subject: Re: [APRSSIG:849] Re: MAKING 100,000 USGS MAPS!

To: aprssig@tapr.org

Date: Mon, 17 Apr 1995 19:23:38 -0500 (CDT)

In-Reply-To: <Pine.3.07.9504171858.A6966-c100000@acme> from "John Baum" at Apr 17, 95 06:08:53 pm

X-Mailer: ELM [version 2.4 PL23]

Content-Type: text

Content-Length: 752

Well, I've been hitting another snag! I have some 1:100k DLGs from the Tx DOT, which are updated, corrected USGS 1:100k maps. Of interest, they appear to be in northing/easting format rather than lat/lon.

'Nother point. Bob, I've not pulled 100C down yet, but I will look at it. It appears that the CONV100B program now wants the files in "optional" format. Now, I hate to be this way, but last time *I* looked at the CDROM, there was only one format. The STD and OPTIONAL formats are an artifact of the FTP site. So, when I follow the instructions to process the files to delimited format, LIKE THE ONES ON MY CDROM SET, it doesn't work!

OK. I give up. Where have I lost my mind? If someone sees it, please let me know!

73, gerry N5JXS

From dmason@cruzio.com Tue Apr 18 00:50:14 1995

Received: from mail2.netcom.com (mail2.netcom.com [192.100.81.122]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id AAA12818 for <aprssig@tapr.org>; Tue, 18 Apr 1995 00:50:10 -0500

Received: from cruzio.com by mail2.netcom.com (8.6.12/Netcom) id WAA10407; Mon, 17 Apr 1995 22:48:58 -0700

Date: Mon, 17 Apr 1995 22:48:58 -0700

Message-Id: <199504180548.WAA10407@mail2.netcom.com>

Received: from cruz217.cruzio.com by cruzio.cruzio.com id aa11645; 17 Apr 95 22:46 PDT

X-Sender: dmason@cruzio.com

X-Mailer: Windows Eudora Version 1.4.3

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

To: aprssig@tapr.org

From: Dennis Mason <dmason@cruzio.com>

Subject: Re: [APRSSIG:677] Genius NewSketch 1212

Don't forget if your also using a mouse, you have to assign the tablet to a different IRQ than the one the mouse is using. I had problems setting up a tablet under AUTOCAD for digitizing San Mateo county in Calif.

>Help... My good friend K2ADJ's son, Rob, loaned me a Genius (manuf) NewSketch
>1212 graphics tablet. I have/had (!) high hopes of digitizing the entire ARRL
>section of SNJ (not really) and was quite excited when I was able to borrow
>the tablet.

>

>I ran the test programs to confirm the tablet was working ok. It will work
>from COM1: or 2 and will emulate a 1.Summagraphics MM Series, 2. Bit Pad
>One/CalComp 2000, 3. GTCO Digi-Pad (Type 5), 4. GTCO Digi-Pad (Type 7), 5.
>Hitachi Tiger.

>

>I compiled the MAPFIXER program and it boots up ok and I'm using it
>correctly... I think... I read the docs and as far as I can tell, I'm
>following the procedure but the MAPFIXER doesn't seem to talk to the tablet
>and/or vice-versa. The MAPFIXER does crash out with an error message but I
>forgot exactly what it was... I will do it all again if anyone wants that
>error code. Hitting any key, of course, brings me back out to DOS.

>

>Thye docs do mention modifications of the .BAS source code depending on some
>tablet make and models. Might that be necessary here? Is one of those types
>above gonna work at all? Help! Whatever anyone recommends, I'll do. I've got
>tons of the USGS 1:24000 7-minutes maps that I'm just itching to make into
>APRS maps for South Jersey. Thanks to ya'll for reading & helping.

>

>73 de Boyd (w2hob@aol.com)

>

>.-

>

>

Dennis Mason / Fire Captain - Information Systems Specialist
1881 16th AVE / Calif. Department of Forestry and Fire Protection
Santa Cruz / dmason.fire.forest.ca.gov
CA 95062 /dmason.cruzio.com

From WMN3@aol.com Tue Apr 18 02:12:12 1995

Received: from mail02.mail.aol.com (mail02.mail.aol.com [152.163.172.66]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id CAA13170 for
<aprssig@tapr.org>; Tue, 18 Apr 1995 02:12:09 -0500

From: WMN3@aol.com

Received: by mail02.mail.aol.com

(1.37.109.11/16.2) id AA256309128; Tue, 18 Apr 1995 03:12:08 -0400

Date: Tue, 18 Apr 1995 03:12:08 -0400

Message-Id: <950418031207_86960739@aol.com>

To: aprssig@tapr.org

Subject: Subscribing

Hi all,

Would it be possible to add, automatically as some mailing lists do already,
to put how to UNsubscribe at the end of each msg?

In case you want to know, I want to know, how to UNsubscribe. Thanks for
your time, Bill

From gerry@cs.tamu.edu Tue Apr 18 07:39:21 1995
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id HAA13855 for <aprssig@tapr.org>; Tue, 18 Apr 1995 07:39:19 -0500
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id HAA02667 for <aprssig@tapr.org>; Tue, 18 Apr 1995 07:39:17 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id HAA09298 for aprssig@tapr.org; Tue, 18 Apr 1995 07:39:15 -0500
Message-Id: <199504181239.HAA09298@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:852] Subscribing
To: aprssig@tapr.org
Date: Tue, 18 Apr 1995 07:39:14 -0500 (CDT)
In-Reply-To: <950418031207_86960739@aol.com> from "WMN3@aol.com" at Apr 18, 95 02:21:10 am
X-Mailer: ELM [version 2.4 PL23]
Content-Type: text
Content-Length: 1393

WMN3@aol.com sez:

>

> Hi all,
> Would it be possible to add, automatically as some mailing lists do already,
> to put how to UNsubscribe at the end of each msg?

>From where I sit, that would add a considrable amount of overhead to EACH MESSAGE. The lists I'm familiar with that do that are infrequent update services, not something as active as this list... a weekly news update, for example. Appending that info to each message would add data that has to be stored on the host machine here, and with the number of users we have, and the number of messages this list serves, that amounts to a lot of data.

> In case you want to know, I want to know, how to UNsubscribe. Thanks for
> your time, Bill

Please, PLEASE save the info message that tells you how to unsubscribe that you received when you signed onto this list. Or, remember that virtually all of the automated lists have an address of listserv or listproc on the machine that hosts the list. Sending mail to, for example, listserv@tapr.org, with the word 'help' in the body should get you all sorts of info on how to get off.

Gerry

--

Gerry Creager	N5JXS	* SAREX Co-Investigator
gerry@cs.tamu.edu		* A little radio that lets kids talk
		* to astronauts, and smile

From seront@seism1.ess.sunysb.edu Tue Apr 18 09:24:54 1995
Received: from CCMAIL.SUNYSB.EDU (ccmail.sunysb.edu [129.49.1.103]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id JAA14462 for <aprssig@tapr.org>; Tue, 18 Apr 1995 09:24:51 -0500

Received: from seism1.ess.sunysb.edu by ccmail.sunysb.edu (PMDf V4.3-7 #8051)
id <01HPHBQV5FA80L9S0I@ccmail.sunysb.edu>; Tue, 18 Apr 1995 10:24:41 EDT
Received: from corto (corto.ess.sunysb.edu)
by seism1.ess.sunysb.edu (4.1/SMI-4.1) id AA08730; Tue, 18 Apr 95 10:24:01 EDT
Date: Tue, 18 Apr 1995 10:25:21 -0500
From: seront@seism1.ess.sunysb.edu (Bernard Seront)
Subject: NMEA 0183 specs
X-Sender: seront@seism1.ess.sunysb.edu
To: aprssig@tapr.org
Message-id: <9504181424.AA08730@seism1.ess.sunysb.edu>
MIME-version: 1.0
X-Mailer: Windows Eudora Version 1.4.4
Content-type: text/plain; charset="us-ascii"
Content-transfer-encoding: 7BIT

I found this post on sci.geo.satellite-nav, can be interesting for those who want to go gps. The ftp site has some introduction files txt about gps, dgps, nmea spec, some soft, reviews ...

From: bennett@erich.triumf.ca (P.Bennett)
>Newsgroups: sci.geo.satellite-nav

>>Can anybody tell me where to find or buy the NMEA 0183 specifications?
>>

>You can get the Real(tm) spec from:

>
> Cindy Ensley, President
> NMEA Phone: (919) 637-7759
> PO Box 3435 Fax: (919) 637-8136
> New Bern NC 28564-3435
>for about US\$70, I beleive.

>
>I have several info files and programs re NMEA-0183 interfacing available for
>ftp from sundae.triumf.ca (142.90.106.35) in /pub/peter. You may find enough
>info there, for free! Get index.html for a brief listing of waht is in each
>file...

>
>Peter Bennett VE7CEI

Bernard, KB2TGH

From bruninga@greatlakes.nadn.navy.mil Tue Apr 18 11:34:31 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id LAA15912 for
<aprssig@tapr.org>; Tue, 18 Apr 1995 11:34:25 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA06213; Tue, 18 Apr 95 12:33:32 EDT
Date: Tue, 18 Apr 1995 12:33:31 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:850] Re: MAKING 100,000 USGS MAPS!
In-Reply-To: <199504180023.TAA01287@solar.cs.tamu.edu>

Message-Id: <Pine.SUN.3.91.950418123026.5986C-100000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

You are correct. CONV100 has to have the CDROM data in OPTIONAL format.
Its sole function is to convert OPTIONAL format to GRAPHIC format.

This is because I originally wrote MAPFIX to operate on the GRAPHIC
format supplied with the 2,000,000 CD ROM data.

SO, the problem is that 100,000 CDROM data comes in TWO formats. You
must specify the OPTIONAL format when ordering your CD ROM... Hope you
didn't invest in a lot of the wrong ones! hi hi... If so, then maybe you
could write a new program to convert STANDARD to GRAPHIC format. hi hi

From MikeKE6EGK@aol.com Tue Apr 18 11:36:52 1995
Received: from mail06.mail.aol.com (mail06.mail.aol.com [152.163.172.108]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id LAA15950 for
<aprssig@tapr.org>; Tue, 18 Apr 1995 11:36:45 -0500
From: MikeKE6EGK@aol.com
Received: by mail06.mail.aol.com
(1.37.109.11/16.2) id AA116643003; Tue, 18 Apr 1995 12:36:43 -0400
Date: Tue, 18 Apr 1995 12:36:43 -0400
Message-Id: <950418123641_87260167@aol.com>
To: aprssig@tapr.org
Subject: MYA Relay

QRM is always a concern of mine. As the local APRS community (NORCAL) has
been growing by leaps and bounds, the local frequency used by APRS (145.010)
is rapidly becoming congested. One problem I have seen is the MYA (RELAY)
that is built into the APRS program. I know that by going to the blue screen
mode (O-C-T dumb terminal) your MYA can be changed, that is if you remember
to change it. Before version 5.0 was released (ancient history now) I could
go into the CFGxx.APR file, with a text editor, and change my MYA to
something other than RELAY, and each time I started the program it would
automatically set the MYA to what I changed it to in the CFG file. Now the
problem is that since version 5.0 this technique has not worked. I am back to
manually resetting my alias via dumb terminal. I know that the word relay
appears in the newer CFG files and have changed it several times in several
versions, and when starting up the program MYA RELAY is still there. (not
just on my screen but in my TNC) Is there a way to change the CFG so that I
do not have to remember to manually change MYA?

TNX

73 de Mike KE6EGK
From ksproul@hardees.rutgers.edu Tue Apr 18 11:50:41 1995
Received: from hardees.rutgers.edu (hardees.rutgers.edu [128.6.18.2]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id LAA16045 for
<aprssig@tapr.org>; Tue, 18 Apr 1995 11:50:32 -0500
Received: (from ksproul@localhost) by hardees.rutgers.edu
(8.6.10+bestmx+oldruq+newsunq+grosshack/8.6.10) id MAA24649; Tue, 18 Apr 1995
12:50:30 -0400

Sender: Keith Sproul <ksproul@hardees.rutgers.edu>
Date: Tue, 18 Apr 95 12:50:30 EDT
From: Keith Sproul <ksproul@hardees.rutgers.edu>
Reply-To: Keith Sproul <ksproul@hardees.rutgers.edu>
Subject: Announcement: Map Making Program
To: aprssig@tapr.org
Cc: msproul@arn.net, sproul@eos.ap.org
Message-ID: <CMM-RU.1.4.798223830.ksproul@hardees.rutgers.edu>

As most of you know, I write the MACINTOSH version of APRS, called MacAPRS. This program is fully compatible with the PC version as far as the on-air protocols go. Bob and I keep in touch and make sure that anything done over the air is coordinated between us.

Over the past few weeks, there has been a LARGE discussion about how difficult it is to create good maps on the PC. Those that have seen BOTH the PC version and the MAC version have been very jealous of the Mac's Map creating capabilities.

In fact, several people have asked "Why don't you create PC maps?" or "I wish I could create maps that easily!"

Well.. I am working on it!!!!!!!

I discussed this with Bob last night, and although I have told a few people about this, I had not given a lot of details. Here goes the details..

So far, the MacAPRS program has had the capability to create MAPS from within the program. It could convert PC maps, it could create maps from the USGS 1:2,000,000 CD (what most of the maps are from) It could also create maps from the USGS 1:100,000 CDs (See the Feb issue of 73 magazine for an example) and it could create maps from a couple other sources of map data. In fact the stuff that is supported or is being worked on is growing almost weekly.

The problem with this 'GROWING' was that there was getting to be a LOT of stuff in MacAPRS just for creating and editing MAPS!! About a month ago Mark, KB2ICI, (my brother and co-author of MacAPRS) and I decided that it might be a good idea to separate this map making/editing out into a new program.

So, I am now announcing MacMapMaker (MMM for short). This program will do ALL of the current map stuff supported by MacAPRS, it will allow EDITING of the maps and will have the ability to create map files for the PC version of APRS.

MacMapMaker will have LOTS of editing capabilities, color selection, line smoothing, line adding, deleting, dynamic point reduction (For the PC maps) This will show you the CURRENT map, show you what it would look like at the next level down, i.e. data reduction, etc, so that you can keep playing until you get a map with small enough number of points, but high enough detail to get the job done.. You will be able to merge data, delete sections, most anything you could think of in editing/creating maps.. It will also support

different coordinate systems such as Lat/Lon, UTM, State-Plane, and the different GPS Datums available.

To be able to do a lot of this type of high-end graph theory takes a fair amount of work and effort. This program will NOT run on a Mac Plus, it will require a color Mac and at least 8 meg of memory, but this is what you need to be able to this level of graph theory and data reduction..

The base program will probably be demo-ed at Dayton, and I expect to have PC map creation done sometime this summer, or at least by the ARRL DCC conference in Dallas in September.

MacMapMaker will be able to support most freely available map data bases and will also be able to use GPS input for creating maps of local areas..

Currently supported or being worked on:

- USGS 1:2,000,000 (the YELLOW CD)
- USGS 1,100,000 (the RED CDs) (14 CDs of the US)
- WDB & MWDB World Data Bank (publicly available, CD & Internet)
- DCW Digital Chart of the World (4 CD-ROM set)
- Tiger Files US Census
- USGS DEM Digital Elevation Data (For CONTOUR Lines)
- Named Location Database (147,000 Named geographic locations in the US)

Another nice thing is that a LOT of this data is available FREE on the Internet.

(If you know of other publicly available data, please let me know, I will incorporate anything I can get my hands on...I am working on a few more than listed above, but these are the ones I will support first..)

As you can probably guess, MacAPRS is also continuing to grow at a rapid rate!!

The MACINTOSH Operating System has a feature called the SPEECH MANAGER. This has been available for a couple years and now comes installed with the new versions of the system. This SPEECH MANAGER makes it VERY easy for any program to have SPEECH output.

MacAPRS 1.5.0 now has SPEECH output for two different things. When a NEW station appears, it tells you the CALL SIGN, and if you get MAIL to YOU, it says "MAIL FROM <the call it is from> <the text of message>" i.e. "Mail from WU2Z Hello This is a test"

The voice is select able, so you can have it in a deep male voice, or a nice sounding female voice, or one of the other sample voices available.

MacAPRS 1.5.0 has the Map Creation stuff taken out of it which makes it somewhat smaller, (Although, Mac's DON'T have a 640k limitation hi hi). This does make it better for the low end Mac's..

As stated above, the MAP CREATION stuff has been moved to a new program

Version 1.5.0 will be available at Dayton and will be up on the FTP sites on May 1st.

=====

DAYTON 95..

Bob Bruninga and I will be at the TAPR PacketBash Friday night and we will be at the APRS EYEBALL Saturday night.

During the day, We will be in and out of the PEET-Brothers Booth.

If any of you are going to be at Dayton, please look us up... Also, tell us that you are on the APRSSIG mailing list

Keith Sproul

Keith Sproul
Student Housing Network Coordinator
Rutgers University Computing Services
<http://www-ns.rutgers.edu/~ksproul/>
From ksproul@hardees.rutgers.edu Tue Apr 18 11:52:31 1995
Received: from hardees.rutgers.edu (hardees.rutgers.edu [128.6.18.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id LAA16096 for [<aprssid@tapr.org>](mailto:aprssid@tapr.org); Tue, 18 Apr 1995 11:52:23 -0500
Received: (from ksproul@localhost) by hardees.rutgers.edu (8.6.10+bestmx+oldruq+newsunq+grosshack/8.6.10) id MAA24684 for aprssid@tapr.org;
Tue, 18 Apr 1995 12:52:21 -0400
Sender: Keith Sproul [<ksproul@hardees.rutgers.edu>](mailto:ksproul@hardees.rutgers.edu)
Date: Tue, 18 Apr 95 12:52:21 EDT
From: Keith Sproul [<ksproul@hardees.rutgers.edu>](mailto:ksproul@hardees.rutgers.edu)
Reply-To: Keith Sproul [<ksproul@hardees.rutgers.edu>](mailto:ksproul@hardees.rutgers.edu)
To: aprssid@tapr.org
Subject: Re: [APRSSIG:855] Re: MAKING 100,000 USGS MAPS!
In-Reply-To: Your message of Tue, 18 Apr 1995 11:38:06 -0500
Message-ID: [<CMM-RU.1.4.798223941.ksproul@hardees.rutgers.edu>](mailto:CMM-RU.1.4.798223941.ksproul@hardees.rutgers.edu)

Standard vs Optional data formats..

On CD, the ONLY section available in STANDARD format is Section 4, which is FLORIDA..

I have written all of the code for the OPTIONAL data format, and have

done some with the Standard format, see my previous message about MacMapMaker.

This program will eventually support the STANDARD format also since this data is available on the Internet..

Keith

Keith Sproul
Student Housing Network Coordinator
Rutgers University Computing Services
http://www-ns.rutgers.edu/~ksproul/
From gerry@cs.tamu.edu Tue Apr 18 15:05:54 1995
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id PAA00515 for <aprssig@tapr.org>; Tue, 18 Apr 1995 15:05:51 -0500
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id PAA17571 for <aprssig@tapr.org>; Tue, 18 Apr 1995 15:05:49 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id PAA01955 for aprssig@tapr.org; Tue, 18 Apr 1995 15:05:47 -0500
Message-Id: <199504182005.PAA01955@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:855] Re: MAKING 100,000 USGS MAPS!
To: aprssig@tapr.org
Date: Tue, 18 Apr 1995 15:05:47 -0500 (CDT)
In-Reply-To: <Pine.SUN.3.91.950418123026.5986C-1000000@greatlakes.nadn.navy.mil> from "Robert Bruninga" at Apr 18, 95 11:38:14 am
X-Mailer: ELM [version 2.4 PL23]
Content-Type: text
Content-Length: 1038

> You are correct. CONV100 has to have the CDROM data in OPTIONAL format.
> Its sole function is to convert OPTIONAL format to GRAPHIC format.
>
> This is because I originally wrote MAPFIX to operate on the GRAPHIC
> format supplied with the 2,000,000 CD ROM data.
>
> SO, the problem is that 100,000 CDROM data comes in TWO formats. You
> must specify the OPTIONAL format when ordering your CD ROM... Hope you
> didnt invest in a lot of the wrong ones! hi hi... If so, then maybe you
> could write a new program to conver STANDARD to GRAPHIC format. hi hi

I now have to go back to TxDOT and get them to produce it in the optional form. I guess that's no big deal. it just sets a project or 2 back a couple more weeks.

73, gerry

--

Gerry Creager N5JXS
gerry@cs.tamu.edu
* SAREX Co-Investigator
* A little radio that lets kids talk
* to astronauts, and smile

From W2HOB@aol.com Tue Apr 18 15:48:55 1995
Received: from mail02.mail.aol.com (mail02.mail.aol.com [152.163.172.66]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id PAA01032 for
<aprssig@tapr.org>; Tue, 18 Apr 1995 15:48:51 -0500
From: W2HOB@aol.com
Received: by mail02.mail.aol.com
(1.37.109.11/16.2) id AA063288130; Tue, 18 Apr 1995 16:48:50 -0400
Date: Tue, 18 Apr 1995 16:48:50 -0400
Message-Id: <950418164748_87535943@aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:851] Re: Genius ...

Thanks to Dennis Mason, Fire Captain in California for the additional info on
the digitizing tablet. I have the mouse on COM1: and the digitizer on COM2:
so there is no interrupt problems but thanks for the tip!

73 de Boyd AR

From kheyboer@pinegov.co.pinellas.fl.us Tue Apr 18 16:45:33 1995
Received: from pinegov (pinegov.co.pinellas.fl.us [136.174.202.1]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id QAA01504 for
<aprssig@tapr.org>; Tue, 18 Apr 1995 16:45:26 -0500
Received: by pinegov (5.0/SMI-SVR4)
id AA22392; Tue, 18 Apr 1995 17:35:13 +0000
Errors-To: root@pinegov.co.pinellas.fl.us
Date: Tue, 18 Apr 1995 17:35:11 +0100 (EDT)
From: Kevin Heyboer <kheyboer@pinegov.co.pinellas.fl.us>
To: "aprssig@tapr.org" <aprssig@tapr.org>
Subject: Introduction
Message-Id: <Pine.SUN.3.91.950418173244.22370B-100000@pinegov>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII
content-length: 0

Greetings!

By way of introduction, my name is Kevin, amateur call KD4UYR, in
beautiful Seminole, Florida. I finally made it to the internet thanks
to my local government. I operate the West Central Florida GATEway
on 30 M in conjunction with my colleague Bob, W4/G3ZFJ.

I would like to meet/exchange ideas with other APRS users involved in
WX spotting/SKYWARN/etc. We have been using APRS here in Pinellas
and Hillsborough Counties of Florida since version 1.0.....yes 1.0.

We have two dedicated Wide Area digi's supported by county government.
Each is located on top of the County Courthouse in each county.

The North Florida Section of ARES is also looking into APRS to replace
their existing packet network of gateway stations.

My ultimate goal is to link all the major urban centers in Florida
via APRS on a full time basis with VHF digi's in each of those areas.

Usage would be intended primarily for WX and ARES type applications but, of course, these routes would be available for normal amateur use most of the time. As a bonus, visitors, which abound in our state yearlong, would have instant APRS access to the rest of the free world via the 30M gateway.

We currently transmit all MIATORTBW, MIASVRTBW, MIASWSTBW, and NHC products intended for use by the public over the 145.790 APRS frequency via packet in real time. In addition we have three part time and three full time weather stations on line.

I would be interested in any ideas or usages for APRS that we have not yet stumbled upon which might assist in this venture.

73

In the Eye of the Storm -*-* de KD4UYR Pinellas SKYWARN
Volunteer Director of the Skywarn Program sponsored by NWS/KTBW
Kevin C. Heyboer kheyboer@co.pinellas.fl.us
 72245,157@compuserv.com

Postage Due e-mail not excepted
Remember: Houses in Florida DO NOT HAVE basements!
These are my views and not the views of my employer....especially since
you don't know who that is!

From miles@mail.utexas.edu Tue Apr 18 21:37:40 1995
Received: from smtp.utexas.edu (smtp.utexas.edu [128.83.126.2]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id VAA02598 for
<aprssig@tapr.org>; Tue, 18 Apr 1995 21:37:38 -0500
Received: from mail.utexas.edu (mail.utexas.edu [128.83.126.1]) by smtp.utexas.edu
(8.6.7/8.6.6) with ESMTP id VAA16079 for <aprssig@tapr.org>; Tue, 18 Apr 1995
21:32:31 -0500
Received: from [128.83.112.29] (slip-23-13.ots.utexas.edu [128.83.112.29]) by
mail.utexas.edu (8.6.9/8.6.6) with SMTP id VAA23144 for <aprssig@tapr.org>; Tue,
18 Apr 1995 21:29:29 -0500
Message-Id: <v01520b00abba24f2d0c6@[128.83.204.109]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Tue, 18 Apr 1995 21:30:09 -0500
To: aprssig@tapr.org
From: miles@mail.utexas.edu (Miles Abernathy)
Subject: APRS Maps from Those CD-ROM Atlases

I have learned in this forum that those commercial CD-ROM atlases and street maps are (effectively) encrypted, so they can't be used for APRS. I just saw the following exchange in another group, and realize it might point someone toward a way to use the CD-ROM's.

<from sci.engr.civil>
>> I need to find sources of translation software to allow me to
>> translate publically available maps in
>> TIGER, DLG, DEM and other formats to DLG format for
>> importation into AutoCad 12. TIGER is
>> the format used by the US Census Bureau and DLG and DEM's are
>> the formats used by USGS.
>
>A good place to ask would be comp.infosystems.gis

Good luck!

From gerry@cs.tamu.edu Tue Apr 18 22:36:52 1995
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id WAA02929 for
<aprssig@tapr.org>; Tue, 18 Apr 1995 22:36:49 -0500
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by
cs.tamu.edu (8.6.10/8.6.4) with ESMTP id WAA28196 for <aprssig@tapr.org>; Tue, 18
Apr 1995 22:36:49 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id WAA10333 for
aprssig@tapr.org; Tue, 18 Apr 1995 22:36:45 -0500
Message-Id: <199504190336.WAA10333@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:862] APRS Maps from Those CD-ROM Atlases
To: aprssig@tapr.org
Date: Tue, 18 Apr 1995 22:36:44 -0500 (CDT)
In-Reply-To: <v01520b00abba24f2d0c6@[128.83.204.109]> from "Miles Abernathy" at
Apr 18, 95 09:45:20 pm
X-Mailer: ELM [version 2.4 PL23]
Content-Type: text
Content-Length: 766

Miles Abernathy sez:

>
> >> TIGER, DLG, DEM and other formats to DLG format for
> >> importation into AutoCad 12. TIGER is
> >> the format used by the US Census Bureau and DLG and DEM's are
> >> the formats used by USGS.
> >
> >A good place to ask would be comp.infosystems.gis

I'll check it out, but the files tend to come out in STANDARD rather than
OPTIONAL format.

So, Bob, why did you go with optional format? Was that the CD available at
the time?

One other note: seems like I recall seeing something indicating that the
delimited files after unblocking were what's on the CDROM. Am I confused
again? it's been one of those weeks, and the drugs haven't kicked the sinus
infection yet, so I'm not always sure of what I think I'm seeing :-)

73, gerry

From ksproul@hardees.Rutgers.EDU Wed Apr 19 07:07:34 1995

Received: from old-hercules.rutgers.edu (old-hercules.rutgers.edu [128.6.18.82])

by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id HAA05453 for

<aprssig@tapr.org>; Wed, 19 Apr 1995 07:07:31 -0500

Received: (from ksproul@localhost) by old-hercules.rutgers.edu

(8.6.10+bestmx+oldruq+newsunq+grosshack/8.6.10) id IAA13413 for aprssig@tapr.org;

Wed, 19 Apr 1995 08:07:29 -0400

Sender: Keith Sproul <ksproul@old-hercules.rutgers.edu>

Date: Wed, 19 Apr 95 8:07:28 EDT

From: Keith Sproul <ksproul@hardees.Rutgers.EDU>

Reply-To: Keith Sproul <ksproul@hardees.Rutgers.EDU>

To: aprssig@tapr.org

Subject: Re: [APRSSIG:863] Re: APRS Maps from Those CD-ROM Atlases

In-Reply-To: Your message of Tue, 18 Apr 1995 22:42:11 -0500

Message-ID: <CMM-RU.1.4.798293248.ksproul@old-hercules.rutgers.edu>

>So, Bob, why did you go with optional format? Was that the CD available at the time?

The 1:2,000,000 CD has STANDARD, OPTIONAL, and GRAPH format data. The GRAPH is by FAR the easiest to use since...

I said in a previous msg, the 1:100,000 scale USGS CD-ROMS are available ONLY in Optional EXCEPT for the FLORIDA data which was the first one done..

I support Optional data, and have done some work on the Standard format, but it is lower on the priority. Since more and more of this data is becoming available on Internet, the STANDARD format may become more viable..

Please go back and read my big announcement about MacMapMaker which will solve a lot of the problems.. It will be able to convert most of these data types and will be able to produce PC maps. It will have FULL editing capabilities and data reduction capabilities..

Keith Sproul

Keith Sproul

Student Housing Network Coordinator

Rutgers University Computing Services

<http://www-ns.rutgers.edu/~ksproul/>

Ham Radio: WU2Z

ksproul@noc.rutgers.edu

908 445-3695 Work

908 821-4828 Home

From gerry@cs.tamu.edu Wed Apr 19 07:22:46 1995

Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by

dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id HAA05539 for

<aprssig@tapr.org>; Wed, 19 Apr 1995 07:22:43 -0500

Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by

cs.tamu.edu (8.6.10/8.6.4) with ESMTP id HAA04694 for <aprssig@tapr.org>; Wed, 19

Apr 1995 07:22:42 -0500

From: Gerald J Creager <gerry@cs.tamu.edu>

Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id HAA16452 for

aprssig@tapr.org; Wed, 19 Apr 1995 07:22:39 -0500

- SysOp of The Quarry LLBBS (203-889-6427)
= Emmet2 (America Online) = emmet2@aol.com (internet)
= N1MIE@N10KK.CT.USA (packet) = 1:320/301 (fidonet)

From kheyboer@pinegov.co.pinellas.fl.us Wed Apr 19 08:30:41 1995
Received: from pinegov (pinegov.co.pinellas.fl.us [136.174.202.1]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id IAA05867 for
<aprssig@tapr.org>; Wed, 19 Apr 1995 08:30:37 -0500
Received: by pinegov (5.0/SMI-SVR4)
id AA23886; Wed, 19 Apr 1995 09:31:11 +0000
Errors-To: root@pinegov.co.pinellas.fl.us
Date: Wed, 19 Apr 1995 09:31:09 +0100 (EDT)
From: Kevin Heyboer <kheyboer@pinegov.co.pinellas.fl.us>
To: "aprssig@tapr.org" <aprssig@tapr.org>
Cc: ROBERTST@BENNING-EMH1.ARMY.MIL
Subject: AFOS Bulletins over APRS
Message-Id: <Pine.SUN.3.91.950419092029.23855A-100000@pinegov>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII
content-length: 0

The method of transmitting the text bulletins was actually quite simple but did require some government assistance.

The local Emergency Operations Center has an incoming AFOS (weather wire) line which is split to three printer ports. The data is in pure ASCII format at 9600 bps.

We took an old PC-AT and connected the printer output to one serial port. Using Mirror III (a CrossTalk clone), we buffer the printer output in the AT, then send it, line by line, out a second serial port to a dedicated TNC. The TNC sends the line by line data out with a 2 second pause between packets. These lines appear as unproto beacon packets on the APRS screen and are stored in the All Beacons text page.

In order to comply with FCC regulations, only NWS bulletins intended for the public are sent out this way. The software has a built in "choke" that stops any bulletin containing the phrase "For Intragovernmental use only" within the text.

We tried to send the data initially without buffering it...ie direct connection to the TNC, but the TNC would choke on it and lines would be lost because there is no flow control available on the line coming from the AFOS printer.

Our next project is to find a way to transmit data from the automatic weather stations along the intracoastal waterway bridges out to APRS. That may not be as easy.

Good Luck,

de Kevin KD4UYR

From seront@seism1.ess.sunysb.edu Wed Apr 19 08:56:12 1995
Received: from CCMAIL.SUNYSB.EDU (ccmail.sunysb.edu [129.49.1.103]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id IAA06010 for
<aprssig@tapr.org>; Wed, 19 Apr 1995 08:56:09 -0500
Received: from seism1.ess.sunysb.edu by ccmail.sunysb.edu (PMDF V4.3-7 #8051)
id <01HPIOTZ5YXC0LAEX9@ccmail.sunysb.edu>; Wed, 19 Apr 1995 09:49:49 EDT
Received: from corto (corto.ess.sunysb.edu)
by seism1.ess.sunysb.edu (4.1/SMI-4.1) id AA09490; Wed, 19 Apr 95 09:49:09 EDT
Date: Wed, 19 Apr 1995 09:50:30 -0500
From: seront@seism1.ess.sunysb.edu (Bernard Seront)
Subject: USGS 1/100K data
X-Sender: seront@seism1.ess.sunysb.edu
To: aprssig@tapr.org, aprssig@tapr.org
Message-id: <9504191349.AA09490@seism1.ess.sunysb.edu>
MIME-version: 1.0
X-Mailer: Windows Eudora Version 1.4.4
Content-type: text/plain; charset="us-ascii"
Content-transfer-encoding: 7BIT

Just a remark about 1/100k data:
They are available by anonymous ftp (hydrography and transportation only) at
edcftp.cr.usgs.gov (for www <http://edcftp.cr.usgs.gov>)
in the directory
/pub/data/DLG/100K/
in BOTH optional AND standard format.

Bernard, KB2TGH.

From sproul@eos Wed Apr 19 09:15:42 1995
Received: from ap.org (eos.ap.org [165.1.6.1]) by dingus.n5lyt.datarace.com
(8.6.10/8.6.9) with SMTP id JAA06124 for <aprssig@tapr.org>; Wed, 19 Apr 1995
09:15:40 -0500
Received: from [165.1.27.20] by ap.org (4.1/SMI-4.1)
id AA22593; Wed, 19 Apr 95 10:12:19 EDT
Date: Wed, 19 Apr 95 10:12:18 EDT
X-Sender: sproul@165.1.6.1
Message-Id: <v02110100abba944234d4@[165.1.27.20]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: sproul@eos (Mark Sproul)
Subject: Re: [APRSSIG:866] Re: Announcment: Map Making Program

>Another idea, that I didn't see mentioned there, is that I would like to
>eventually link my GPS (Garmin-40) to the computer and make a map by driving
>around. To that end, it would be nice if it had a GPS input mode allowing
>you to (a) dl waypoints, (b) feed constant input from GPS. Then you might
>want to process the data and add labeling, color, and other elements. Might
>be nice to also have a merge mode so you can do it in segments if you are
>building an area map.

MacAPRS has had that capability since DAY 1. Last June I drove from New Jersey to New Mexico and back and have the FULL track from doing EXACTLY that.

Mark

Mark Sproul	Amateur Radio: KB2ICI
Software Engineer @ Assoc Press	AppleLink: Sproul.M
sproul@eos.ap.org	Work: 609-860-7120
North Brunswick, NJ	Fax: 609-860-7129
http://www-ns.rutgers.edu/~ksproul/KB2ICI.html	

From Bob_Fairbairn-C12509@email.mot.com Wed Apr 19 10:06:10 1995
Received: from motgate.mot.com (motgate.mot.com [129.188.136.100]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id KAA06374 for <aprssig@tapr.org>; Wed, 19 Apr 1995 10:06:07 -0500
From: Bob_Fairbairn-C12509@email.mot.com
Received: from pobox.mot.com (pobox.mot.com [129.188.137.100]) by motgate.mot.com (8.6.11/8.6.10/MOT-3.6) with ESMTP id JAA06645 for <aprssig@tapr.org>; Wed, 19 Apr 1995 09:46:15 -0500
Received: from ilbx.mot.com (ilbx.mot.com [129.188.137.185]) by pobox.mot.com (8.6.11/8.6.10/MOT-3.6) with SMTP id JAA05680 for <aprssig@tapr.org>; Wed, 19 Apr 1995 09:46:12 -0500
Received: by ilbx.mot.com
(1.37.109.4/16.2) id AA14804; Wed, 19 Apr 95 09:46:09 -0500
Received: by email.mot.com via Worldtalk with X400 (2.3.0/1.38.1.3) id WT08773.305; Wed, 19 Apr 1995 09:46:09 CDT
Date: 19 Apr 95 09:45:45 -0600
To: aprssig@tapr.org
Subject: Kantronics KPC3 firmware info
Message-Id: <"Macintosh */PRMD=MOT/ADMD=MOT/C=US/"@MHS>

I use a KPC-3 for APRS and Kantronics has some new firmware. I order it, hope to find out more. The following is an excerpt from the fax they sent me:

Global Positioning System (GPS) Capabilities New in version 6.0

The KPC-3 offers the most flexible GPS operations available in a TNC, so users can configure and make use of GPS data exactly the way they like. The KPC-3 can connect to GPS receivers with a NMEA-0183 interface and is APRS compatible.

The KPC-3's unique GPS capabilities include multiple string parsing, where users may select as many as 4 of the GPS unit's NMEA data strings. Once the data strings are specified, the KPC-3 continually stores the text in separate buffers. Users can specify which of the 4 buffers should be transmitted and can

specify the beacon start time as well as the amount of time between beacons for each of the buffers. This allows multiple stations to easily report without data collision. And since the KPC-3's clock is regularly updated by the satellite-determined GPS clock the transmission times and intervals are always accurate.

In addition, users can set up a tracking buffer to store GPS data for later retrieval. This buffer is accessible via the KPC-3's mailbox. The sysop may also reconfigure the GPS unit remotely by connecting to the KPC-3 and simply changing the parameters.

I have no affiliation with Kantronics, I just use their products! And almost every other major HAM toy maker.

73 KF90A

From gerry@cs.tamu.edu Wed Apr 19 11:06:08 1995

Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id LAA06521 for <aprssig@tapr.org>; Wed, 19 Apr 1995 11:06:05 -0500

Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id LAA09575 for <aprssig@tapr.org>; Wed, 19 Apr 1995 11:06:05 -0500

From: Gerald J Creager <gerry@cs.tamu.edu>

Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id LAA20253 for aprssig@tapr.org; Wed, 19 Apr 1995 11:05:58 -0500

Message-Id: <199504191605.LAA20253@solar.cs.tamu.edu>

Subject: Re: [APRSSIG:868] USGS 1/100K data

To: aprssig@tapr.org

Date: Wed, 19 Apr 1995 11:05:56 -0500 (CDT)

In-Reply-To: <9504191349.AA09490@seism1.ess.sunysb.edu> from "Bernard Seront" at Apr 19, 95 09:07:10 am

X-Mailer: ELM [version 2.4 PL23]

Content-Type: text

Content-Length: 520

Bernard Seront sez:

>

> Just a remark about 1/100k data:

> They are available by anonymous ftp (hydrography and transportation only) at

> edcftp.cr.usgs.gov (for www <http://edcftp.cr.usgs.gov>)

Yep, but they're almost 20 years old in this part of the country. That's why I went to USGS.

I think I may have to do some fortranhacking and do a conv100 type program to do maps from standard format. Of course, I'm also asking TxDOT to recast in OPTIONAL form for me this time. If they can!

73, gerry

gerry@cs.tamu.edu

From ksproul@hardees.rutgers.edu Wed Apr 19 12:27:16 1995

Received: from hardees.rutgers.edu (hardees.rutgers.edu [128.6.18.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id MAA06896 for <aprssig@tapr.org>; Wed, 19 Apr 1995 12:27:12 -0500
Received: (from ksproul@localhost) by hardees.rutgers.edu (8.6.10+bestmx+oldruq+newsunq+grosshack/8.6.10) id NAA29598 for aprssig@tapr.org; Wed, 19 Apr 1995 13:27:10 -0400
Sender: Keith Sproul <ksproul@hardees.rutgers.edu>
Date: Wed, 19 Apr 95 13:27:10 EDT
From: Keith Sproul <ksproul@hardees.rutgers.edu>
Reply-To: Keith Sproul <ksproul@hardees.rutgers.edu>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:866] Re: Announcement: Map Making Program
In-Reply-To: Your message of Wed, 19 Apr 1995 08:09:33 -0500
Message-ID: <CMM-RU.1.4.798312430.ksproul@hardees.rutgers.edu>

I think you missed something in the announcement, The MacMapMaker WILL have the ability to input a GPS file, created by using either MacAPRS or your favorite terminal program and your GPS. MacMapMaker will take the DATA file and use it to create the map data. MacMapMaker will NOT have serial capabilities, so the file will have to come from another program...

Yes, removing this stuff DID reduce the program size, but only by about 100K.

All of the ram requirements for making maps was ONLY used if you actually did that..

Keith

Keith Sproul
Student Housing Network Coordinator
Rutgers University Computing Services
<http://www-ns.rutgers.edu/~ksproul/>
From Bwimmers@aol.com Wed Apr 19 13:18:08 1995
Received: from mail04.mail.aol.com (mail04.mail.aol.com [152.163.172.53]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id NAA07263 for <aprssig@tapr.org>; Wed, 19 Apr 1995 13:18:06 -0500
From: Bwimmers@aol.com
Received: by mail04.mail.aol.com (1.37.109.11/16.2) id AA137165485; Wed, 19 Apr 1995 14:18:05 -0400
Date: Wed, 19 Apr 1995 14:18:05 -0400
Message-Id: <950419141803_88711241@aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:870] Kantronics ...

Go for it. We here in Northern Virginia are using the KPC-3's with 6.0 and they work great! Best feature by far is the ability to adjust and change the settings of the tnc even while in GPS mode.

Bernie

From bruninga@greatlakes.nadn.navy.mil Wed Apr 19 16:36:48 1995

Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id QAA08243 for
<aprssig@tapr.org>; Wed, 19 Apr 1995 16:36:43 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA22163; Wed, 19 Apr 95 17:34:40 EDT
Date: Wed, 19 Apr 1995 17:34:40 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:856] MYA Relay
In-Reply-To: <950418123641_87260167@aol.com>
Message-Id: <Pine.SUN.3.91.950419172904.22097A-100000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 18 Apr 1995 someone wrote:

> QRM is always a concern of mine. As the local APRS community (NORCAL) has
> been growing by leaps and bounds, the local frequency used by APRS (145.010)
> is rapidly becoming congested. One problem I have seen is the MYA (RELAY)
> that is built into the APRS program....
> ...
> problem is that since version 5.0 this technique has not worked. I am back to
> manually resetting my alias via dumb terminal. I know that the word relay
> appears in the newer CFG files and have changed it several times in several
> versions, and when starting up the program MYA RELAY is still there. (not

APR REPLY: The fact that all APRS stations have the ALIAS of RELAY, does
not, and should not add any QRM to the channel (in general). Are you
sure you are not confusing UNPROTO of RELAY with ALIAS of RELAY?
Stations should be sure to change their UNPROTO from RELAY to specific
digipeaters, and should avoid using the UNPROTO path of RELAY.. I dont
see any reason to change your ALIAS from RELAY. Am I missing something?

From amirault@max.tiac.net Wed Apr 19 20:41:38 1995
Received: from max.tiac.net (max.tiac.net [199.0.65.4]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id UAA09312 for
<aprssig@tapr.org>; Wed, 19 Apr 1995 20:41:34 -0500
Received: (from amirault@localhost) by max.tiac.net (8.6.9/8.6.6.Beta9) id
VAA05635; Wed, 19 Apr 1995 21:40:23 -0400
Date: Wed, 19 Apr 1995 21:40:22 -0400 (EDT)
From: Richard Amirault <amirault@max.tiac.net>
Subject: Re: [APRSSIG:874] Re: MYA Relay
To: aprssig@tapr.org
In-Reply-To: <Pine.SUN.3.91.950419172904.22097A-100000@greatlakes.nadn.navy.mil>
Message-ID: <Pine.3.89.9504192107.B4080-0100000@max.tiac.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 19 Apr 1995, Robert Bruninga wrote:

> APR REPLY: The fact that all APRS stations have the ALIAS of RELAY, does

> not, and should not add any QRM to the channel (in general). Are you
> sure you are not confusing UNPROTO of RELAY with ALIAS of RELAY?
> Stations should be sure to change their UNPROTO from RELAY to specific
> digipeaters, and should avoid using the UNPROTO path of RELAY.. I dont
> see any reason to change your ALIAS from RELAY. Am I missing something?
>

I've just set up a second aprs station at my work QTH. There is a digi
that most of us use in the local area (we don't have a WIDE yet) that is
about 2 miles from my new station. I'm currently using an HT with an
indoor antenna. There is nothing I can transmit that will be heard for
1/8 the distance that the digi covers. There is no reason for me to digi
as RELAY (and besides when I transmit my computer screen turns a
different color!)

Richard in Boston N1JDU
amirault@tiac.net

From klarson@access.digex.net Thu Apr 20 06:58:58 1995
Received: from access5.digex.net (access5.digex.net [164.109.10.8]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id GAA12584 for
<aprssig@tapr.org>; Thu, 20 Apr 1995 06:58:56 -0500
Received: by access5.digex.net id AA17005
(5.67b8/IDA-1.5 for aprssig@tapr.org); Thu, 20 Apr 1995 07:58:42 -0400
Date: Thu, 20 Apr 1995 07:58:42 -0400 (EDT)
From: Kent Larson <klarson@access.digex.net>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:873] Re: Kantronics ...
In-Reply-To: <950419141803_88711241@aol.com>
Message-Id: <Pine.SUN.3.91.950420075600.16399B-100000@access5.digex.net>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The REALLY neat thing is the ability to change settings while in GPS mode
using the remote sysop functions. Makes reprogramming trackers while
they are on top of a moving vehicle a snap.

Kent

On Wed, 19 Apr 1995 Bwimmers@aol.com wrote:

> Go for it. We here in Northern Virginia are using the KPC-3's with 6.0 and
> they work great! Best feature by far is the ability to adjust and change the
> settings of the tnc even while in GPS mode.

>

> Bernie

>

>

From mwalker@interlog.com Thu Apr 20 07:10:39 1995
Received: from gold.interlog.com (gold.interlog.com [198.53.145.2]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id HAA12676 for
<aprssig@tapr.org>; Thu, 20 Apr 1995 07:10:36 -0500
Received: from interlog.com (mwalker.interlog.com [199.212.152.131]) by

gold.interlog.com (8.6.9/8.6.9) with SMTP id IAA29227 for < aprssig@tapr.org>;
Thu, 20 Apr 1995 08:10:33 -0400
Message-Id: <199504201210.IAA29227@gold.interlog.com>
Date: Thu, 20 Apr 95 08:07:33 EDT
From: mwalker@interlog.com (Mike Walker)
Reply-To: mwalker@interlog.com (Mike Walker)
To: aprssig@tapr.org
X-Mailer: PMMail v1.05
Subject: APRS users @ Dayton

Hello Keith, Bob and all

I will be at Dayton (easy to find, The Atlantic Ham Radio booth 588, near Yaesu). Not sure if I am going to run mobile, but on VHF, what frequency should I be using (not our 144.390 Canadian, North Western NY freq, I assume).

Hope to see some of you there...cheers...mike (va3mw)

Mike Walker
127 High St. W.
Mississauga, ON
L5H 1K4

mwalker@interlog.com
rf: va3mw@va3bbs

From largriff@onramp.net Thu Apr 20 07:31:44 1995
Received: from ns.onramp.net (ns.onramp.net [199.1.11.2]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id HAA12803 for
<aprssig@tapr.org>; Thu, 20 Apr 1995 07:31:41 -0500
Received: from 199.1.172.138 (lub10.onramp.net [199.1.172.138]) by ns.onramp.net
(8.6.5/8.6.5) with SMTP id HAA08975 for <aprssig@tapr.org>; Thu, 20 Apr 1995
07:31:39 -0500
Date: Thu, 20 Apr 1995 07:31:39 -0500
Message-Id: <199504201231.HAA08975@ns.onramp.net>
From: largriff@onramp.net (Larry Griffin, AB5GE)
Subject: 6.8a & raw GLL
To: aprssig@tapr.org
X-Mailer: AIR Mail 3.X (SPRY, Inc.)

Since installing 6.8a I no longer get reliable posits from raw GLL data. Sometimes it works, but other times the posit shows all zero values even though the View Screen shows valid GLL data.

I prefer to beacon GLL strings from the mobile because it produces less clutter on the map. The actual posit as shown with dead reckoning is not as easy to discern. Besides, you get a better idea of the general direction of movement from a station's track than from transitory vectors.

 | Internet: largriff@onramp.net
Larry Griffin | Internet: ab5ge@amsat.org
AX25: ab5ge@w5ero.#wtx.tx.usa.noam

From bruninga@greatlakes.nadn.navy.mil Thu Apr 20 10:54:20 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])

by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id KAA13926 for
<aprssig@tapr.org>; Thu, 20 Apr 1995 10:54:12 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA27764; Thu, 20 Apr 95 11:53:27 EDT
Date: Thu, 20 Apr 1995 11:53:26 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:877] APRS users @ Dayton
In-Reply-To: <199504201210.IAA29227@gold.interlog.com>
Message-Id: <Pine.SUN.3.91.950420114630.27588D-100000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 20 Apr 1995, Mike Walker wrote:

> I will be at Dayton (easy to find, The Atlantic Ham Radio booth 588,
> what freq should I be using (not our 144.390 Canadian, North Western
> NY freq, I assume).

APR REPLY: THE APRS FREQ IN DAYTON WILL BE 145.79. THERE WILL BE WIDE
digipeaters through Columbus and in the Dayton area, I donno about approaches
from the North, Southe and West. Last year there were a total of 18
mobiles detected in Dayton. I suspect we will see a lot more this year.

Once we all get in the area, and watch the network. If it is REALY BUSY,
then lets back-off on our REP-RATES. I will proably approach with WIDE,WIDE
and a rep rate of 1 minute. Once I get to within the last 64 miles, I
will back off to 2 minutes, and in the area, may drop to 5 minutes. If
we fill up the P list, then anything shorter than 5 minutes will be
saturation.

From DEANG@mail.syntron.com Thu Apr 20 11:29:04 1995
Received: from phoenix.net (phoenix.phoenix.net [199.3.232.2]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id LAA14110 for
<aprssig@tapr.org>; Thu, 20 Apr 1995 11:29:01 -0500
From: DEANG@mail.syntron.com
Received: from MAIL.SYNTRON.COM (mail.Syntron.com [204.95.129.236]) by
phoenix.net (8.6.10/8.6.6) with SMTP id LAA00758 for <aprssig@tapr.org>; Thu, 20
Apr 1995 11:22:38 -0500
Received: from cc:Mail by MAIL.SYNTRON.COM
id AA798402466 Thu, 20 Apr 95 11:27:46 CST
Date: Thu, 20 Apr 95 11:27:46 CST
Message-Id: <9503207984.AA798402466@MAIL.SYNTRON.COM>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:879] Re: APRS users @ Dayton

I have a Motorola GPS and a Kantronics KPC-3 TNC hooked up in my car.
The \$GPGGA and \$GPRMC data is being received by APRS at my house, but
the position is not being plotted on the map.

Could someone with a similar setup please e-mail me a capture file
containing the mobile KPC-3's setup as well as data from the mobile
tnc (so I can see the proper format). I looked at the HST files but

they don't contain any NMEA strings.

Thanks.

```
\\//  
(..)  
-oo0-(_-)0oo-----  
| George Dean KC5KGE 2946.18N 9545.76W DEANG@mail.syntron.com |  
-----
```

From web@vectorbd.com Thu Apr 20 12:10:06 1995
Received: from mail.holonet.net (guardian.holonet.net [198.207.169.11]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTMP id MAA14301 for
<aprssig@tapr.org>; Thu, 20 Apr 1995 12:09:59 -0500
Received: from vectorbd (root@localhost) by mail.holonet.net with UUCP
id JAA07169; Thu, 20 Apr 1995 09:43:51 -0700
Date: Thu, 20 Apr 1995 15:11:12 +000 (UTC)
From: "Warren E. Boudrie" <web@vectorbd.com>
Subject: Need help
To: aprssig@tapr.org
Message-ID: <Pine.3.87.9504201512.A9529-01000000@vectorbd.vectorbd.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII
Sender: web@vectorbd.com

APRS is quite new to the Rochester NY area and a few of us are trying our best to work with it and promote it in this area. We usually meet one night a week on the air to practice on VHF and find that some stations QTH Symbol never appears or can take over a half hour to appear on the receivers maps. However, the sender has installed and sees the symbol on his map. His beacon messages come through and it is possible to send and receive messages from the Symbol-less station using either the S command or from the blue screen. I also find that when using the S command, some stations rapidly get an ACK from me but I never get any ACK from them.

Any clues anyone can give me on these two conditions would be appreciated so I can pass the info along to our group of APRS newcomers.

73, Warren AA2LQ @ WB2WXQ.NY or Internet: web@vectorbd.com

From MikeKE6EGK@aol.com Thu Apr 20 15:11:44 1995
Received: from mail06.mail.aol.com (mail06.mail.aol.com [152.163.172.108]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTMP id PAA15142 for
<aprssig@tapr.org>; Thu, 20 Apr 1995 15:11:41 -0500
From: MikeKE6EGK@aol.com
Received: by mail06.mail.aol.com
(1.37.109.11/16.2) id AA196648697; Thu, 20 Apr 1995 16:11:37 -0400
Date: Thu, 20 Apr 1995 16:11:37 -0400
Message-Id: <950420161122_90114397@aol.com>
To: aprssig@tapr.org
Subject: Re: MYA Relay

Mime-Version: 1.0
Content-Transfer-Encoding: quoted-printable

From: MikeKE6EGK@aol.com
Reply-to: aprssig@tapr.org
To: aprssig@tapr.org

On Tue, 18 Apr 1995 I wrote:

> QRM is always a concern of mine. As the local APRS community (NORCAL) has
as
> been growing by leaps and bounds, the local frequency used by APRS
(145.010)
> is rapidly becoming congested. One problem I have seen is the MYA (RELAY)
> that is built into the APRS program....
> ...
> problem is that since version 5.0 this technique has not worked. I am back
to
> manually resetting my alias via dumb terminal. I know that the word relay
> appears in the newer CFG files and have changed it several times in
several
> versions, and when starting up the program MYA RELAY is still there. (not
ot

On Wed, 19 April, 1995 APR wrote

=F8 APR REPLY: The fact that all APRS stations have the ALIAS of RELAY, =
does =

=F8 not, and should not add any QRM to the channel (in general). =

I agree this should not create any QRM "in general", unfortunately there are =

some who believe that "more is better".

=F8 Are you sure you are not confusing UNPROTO of RELAY with ALIAS of RELAY?
AY? =

Yes I do know the difference between UNPROTO and ALIAS, that is why I asked
my question. =

=F8 Stations should be sure to change their UNPROTO from RELAY to specific
c =

=F8 digipeaters, and should avoid using the UNPROTO path of RELAY..

This is why I want to change my ALIAS, we are back the the "more is better"
operating mode. There are those who do not/will not read your README files, =

specifically "DIGI.TXT", and those who believe that by leaving/adding RELAY =

in their UNPROTO path will get better coverage.(ie:
DIGI,DIGI,WIDE,WIDE,RELAY)
(I've seen as many as 10 returns from just one POSIT) Most operators respond
favorably =

to coaching by the local APRS community, and there are others who "do not"
and/or "don't care".

=F8 I don't see any reason to change your ALIAS from RELAY. Am I missing something?

It is because of the "do not's" and "don't care's" that I sometimes change MYA
to something =

other than RELAY. I know that by changing my ALIAS isn't going to change =
the
QRM by much, =

but I do believe that every little bit helps. The problems described are =
not
continuous, some do, after
a while, respond to coaching (or maybe divine intervention, hi), and some
sign off never to be heard =

from again, it is during those times when listening does not appear to be
a
consideration, that I change
MYA.

If there is a way to change the CFIG file to automatically change MYA when
starting up the =

program, I would like to know it, if not I will continue to do it manually.

Thank you for your reply,
it appears that I wasn't specific enough in my original message, I'll try to
be more thorough in =

the future.

TNX again,

73 de Mike KE6EGK
MikeKE6EGK@aol.com

From BillWB6LPG@aol.com Thu Apr 20 15:13:52 1995
Received: from mail02.mail.aol.com (mail02.mail.aol.com [152.163.172.66]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id PAA15155 for
<aprssig@tapr.org>; Thu, 20 Apr 1995 15:13:49 -0500
From: BillWB6LPG@aol.com
Received: by mail02.mail.aol.com
(1.37.109.11/16.2) id AA145808828; Thu, 20 Apr 1995 16:13:48 -0400
Date: Thu, 20 Apr 1995 16:13:48 -0400
Message-Id: <950420161238_90115718@aol.com>
To: aprssig@tapr.org
Subject: Re: MFJ-8621 DATA RADIO

From: billwb6lpg@aol.com
To: aprssig@tapr.org

Hi All APRSsig readers, & Bob/WB4APR

The MFJ Jewel has arrived finally, 18 weeks delivery, but still missing (on B/O) the AC plug-in 2amp pwr supply. Hi.. Nice little 5 x 5 x 1-1/2H package, single square circuit board with separate ICM Xmit & Rcv HC-25U or FM-2 small xtals. Two crystal suppliers mentioned Jan & ICM, mine had ICM xtals, the package rattled, so found the Rcvr crystal not installed and floating around inside on the circuit board. Hi..

Fourteen page instruction manual. Uses a U1 monolithic dual-conversion narrowband-FM receiver IC that provides all mixer, IF amplification, limiting and audio functions. Motorola.

Transmitter is Monolithic FM-transmitter IC U2. Freq by 18MHz crystal and both 1200/9600 baud, by manually changing 2 little jumper plugs. Power supply operates from 13.8vDC @ 1Amp.

U1 Rcvr Chip is Motorola: MC13135P QWH9428
U2 Xmtr Chip is Motorola: MC2833P KAA9430

Claim of 4-5 watts from Transistor PA stage class-C amplifier.
Info on minor tuning adjustments, no swr protections, will have to use for a while @ 1200b, no 96b TNC as yet. One page of 9600 baud operations info, in manual, will see if another piece of MFJ junk. Hi..

Furnished crystal information (145.010), with Transmitter formula in error. Usual small HC-25U or FM-2 type, with Rcvr 44-MHz 3rd overtone, and Xmtr 18-MHz Fundamental.

No complete schematic of circuit, only 2 block diagram component illustrations.

Two power supply cables, and one 5pin din radio cable included. Minor adjustments advised for Deviation, (no internal deviations control), adjust your TNC, Crystal oscillator calibration and good cable wiring diagrams Xmtr/to/TNC, usual 4 wire Mic.Audio, Ground, PTT< Rec.Audio, no receiver speaker. Front panel bright aluminum, with Power push button and green/power,

red/transmit lights. Heavy black brushed aluminum cover panel over single circuit board layout.

So far only smoke tested, with 12v DC applied. No on air reports as yet.

Anyways be advised, they are being deliverd, but how long you hafta wait, knowing MFJ, who knows. And their little plug in transformer, 39.95 power supply is on B/O, (back order, not body odor.)

73's & Enjoy, Bill/WB6LPG & KA6EYH.#NOCAL.CA.USA.NOAM or
billwb6lpg@aol.com

DISCLAIMER:

Oh yes, I have no pecuniary of monitary interest in MFJ Corp. this is personal info for readers and Amateurs interested in the above discription of a product. I in no way reap any benifits from the above.

From bruninga@greatlakes.nadn.navy.mil Thu Apr 20 18:26:06 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id SAA15975 for
<aprssig@tapr.org>; Thu, 20 Apr 1995 18:25:57 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA03657; Thu, 20 Apr 95 19:24:41 EDT
Date: Thu, 20 Apr 1995 19:24:40 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:881] Need help
In-Reply-To: <Pine.3.87.9504201512.A9529-0100000@vectorbd.vectorbd.com>
Message-Id: <Pine.SUN.3.91.950420190926.3631B-1000000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 20 Apr 1995, someone wrote:

> APRS is quite new to the Rochester NY area ... but we find that some
> QTH Symbols never appear or can take over a half hour to appear on the
> receivers maps.....

APR REPLY: Maybe he has not placed himself on his OWN map yet. No
posits are transmitted until the station puts himself on his map.

> His beacon messages come through and it is possible to send and
> receive messages from the Symbol-less station using either the S command
> or from the blue screen. I also find that when using the S command, some
> stations rapidly get an ACK from me but I never get any ACK from them.

APR REPLY: They clearly CANT hear you.

THE PROBLEM IS PROBABLY RELAY-ITIS: stn-B

stn-A

stn-C

stn-D

If everyone is still using RELAY as a path, then A will never hear C and C will never hear A. Also D and B will only see direct packets. This is because EVERY packet sent by A is RELAYED by both B and D so that C always hears COLLISIONS! These collisions occur all over the place.

CONCLUSION: Once you have more than 3 stations, YOU MUST BEGIN TO CHOOSE your UNPROTO path to use specific calls NOT RELAY!!!!!!!!!!!!!!

This problem also exists with WIDES! If B and D are both WIDES, then A and C cannot (I say again) CANNOT communicate via WIDE! Use the digi callsign and you will be amazed how much better your network works!

From largriffin@onramp.net Thu Apr 20 21:06:30 1995

Received: from ns.onramp.net (ns.onramp.net [199.1.11.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id VAA16836 for <aprssig@tapr.org>; Thu, 20 Apr 1995 21:06:27 -0500

Received: from 199.1.172.138 (lub10.onramp.net [199.1.172.138]) by ns.onramp.net (8.6.5/8.6.5) with SMTP id VAA18707 for <aprssig@tapr.org>; Thu, 20 Apr 1995 21:06:25 -0500

Date: Thu, 20 Apr 1995 21:06:25 -0500

Message-Id: <199504210206.VAA18707@ns.onramp.net>

From: largriffin@onramp.net (Larry Griffin, AB5GE)

Subject: [APRSSIG:878] 6.8a & raw GLL

To: aprssig@tapr.org

X-Mailer: AIR Mail 3.X (SPRY, Inc.)

LG>Since installing 6.8a I no longer get reliable posits from raw GLL data.
LG>Sometimes it works, but other times the posit shows all zero values even
LG>though the View Screen shows valid GLL data.

BB>I assume that your GPS is outputting MORE than just the GLL? Or are you
BB>saying that that is the only one of the threee GGA,GLL,RMC that APRS uses.
BB>If you are outputting only GLL of the three and you are reporting that it
BB>does not work all the time. Then, tell me more details...

No, my mobile outputs GLL data ONLY. I use a Motorola PVT6 GPS with a Kantronics KPC-3 in standalone mode.

At home... I've been running APRS since version 4.3. I never had a problem decoding raw GLL data until I upgraded to 6.8a. Now 6.8a occasionally gets confused and places my mobile's posit at /0000.00N/00000.00W/000/000 even though the View Mode shows that the mobile is sending out valid data (no, I'm nowhere near the Gulf of Guinea, HI). When this happens, it continues until I exit and restart APRS. Then it usually starts working fine!

I haven't tried 6.8a with any other formats besides GLL. I tend to prefer GLL over GGA or RMC for ground based mobiles. GLL is the shortest NMEA string and creates the least clutter on the map. I don't care for the velocity vectors,

but that is just my personal preference.

```
-----  
                | Internet: largriff@onramp.net  
Larry Griffin | Internet: ab5ge@amsat.org  
                | AX25: ab5ge@w5ero.#wtx.tx.usa.noam  
-----
```

From DDOBBINS@aol.com Thu Apr 20 23:03:45 1995
Received: from mail02.mail.aol.com (mail02.mail.aol.com [152.163.172.66]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id XAA17482 for
<aprssig@tapr.org>; Thu, 20 Apr 1995 23:03:39 -0500
From: DDOBBINS@aol.com
Received: by mail02.mail.aol.com
(1.37.109.11/16.2) id AA277947018; Fri, 21 Apr 1995 00:03:38 -0400
Date: Fri, 21 Apr 1995 00:03:38 -0400
Message-Id: <950421000323_90711182@aol.com>
To: aprssig@tapr.org
Subject: how to subscribe aprs stuff on tapr

Bob, how do I subscribe to APRS traffic on TAPR?
From largriff@onramp.net Fri Apr 21 07:13:38 1995
Received: from ns.onramp.net (ns.onramp.net [199.1.11.2]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id HAA19699 for
<aprssig@tapr.org>; Fri, 21 Apr 1995 07:13:36 -0500
Received: from 199.1.172.138 (lub10.onramp.net [199.1.172.138]) by ns.onramp.net
(8.6.5/8.6.5) with SMTP id HAA15841 for <aprssig@tapr.org>; Fri, 21 Apr 1995
07:13:33 -0500
Date: Fri, 21 Apr 1995 07:13:33 -0500
Message-Id: <199504211213.HAA15841@ns.onramp.net>
From: Larry Griffin AB5GE <largriff@onramp.net>
Subject: Re: APRS and NMEA strings
To: aprssig@tapr.org
X-Mailer: AIR Mail 3.X (SPRY, Inc.)

GJC>I'd reommend just bitng the bullet and use GGA. It doesn't increase the
data

GJC>much and doesn't generate the clutter (I don't like the feathers
either...)

GJC>GGA is the best output I've found for vehicle location so far.

Oddly enough, I haven't had any more trouble with GLL data since I posted my
earlier message! It only happened a couple of times before so maybe it won't
be too big a deal. I guess I'll try GGA if I do continue having trouble with
GLL. I know its only a few more bytes... sometimes I'm too much of a
perfectionist, especially when its someone else having to find the bugs, HI!

```
-----  
                | Internet: largriff@onramp.net  
Larry Griffin | Internet: ab5ge@amsat.org  
                | AX25: ab5ge@w5ero.#wtx.tx.usa.noam  
-----
```

From edwardwr@interaccess.com Fri Apr 21 08:03:25 1995
Received: from home.interaccess.com (home.interaccess.com [198.80.0.2]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id IAA19912 for
<aprssig@tapr.org>; Fri, 21 Apr 1995 08:03:22 -0500
Received: from d25.net.interaccess.com (d25.net.interaccess.com [199.79.208.25])
by home.interaccess.com (8.6.11/8.6.10) with SMTP id IAA03410 for
<aprssig@tapr.org>; Fri, 21 Apr 1995 08:03:57 -0500
Message-Id: <199504211303.IAA03410@home.interaccess.com>
X-Sender: edwardwr@pop.interaccess.com
X-Mailer: Windows Eudora Version 1.4.4
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 21 May 1995 08:05:27 -0500
To: aprssig@tapr.org
From: edwardwr@interaccess.com (Edward W Rogers)
Subject: Help w/Motorola Card

Hi Bob , Keith and all,

Ive come across several Motorola GPS cards that I'm trying to interface with
APRS. The cards are part of the CoveragePLUS Mobile packages that Motorola
put out several years ago.
They apparently "talk" via RS232 seial data pcall at 1-8-1-1200B-N and
output the data in the following format;

*****N*****WCCSSS#

*****N=Lat
*****W=Long
CCC=Direction
SSS=Speed
#=Signal Quality

the card has a standard Motorola 10 pin connector and my limited
documentation indicates that the wiring data is standard for Motorola.

Ive attempted to set them up for APRS using both MAC and DOS Basic programs
with out any luck. Any one have an idea or know anything about them? If we
can get them on line and running they would make great mobile units, they
are mounted in a metal case that appears to be quite solid.

Looking forward to Dayton

Ed
N9LCI

"all ignorance toboggans into know"
e.e. cummings

From jeff.brenton@espi.com Fri Apr 21 11:56:41 1995
Received: from quake.xnet.com (quake.xnet.com [198.147.221.34]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id LAA20966 for
<aprssig@tapr.org>; Fri, 21 Apr 1995 11:56:38 -0500

From: jeff.brenton@espi.com
Received: from espi.com by quake.xnet.com (8.6.11/XNet-1.2R)
with UUCP id LAA05459 for aprssig@tapr.org; Fri, 21 Apr 1995 11:56:32
-0500
Received: by espi.com
id 0GH3S01T Fri, 21 Apr 95 11:43:39 -0500
Message-ID: <9504211143.0GH3S01@espi.com>
Organization: ESP-BBS
X-Mailer: TBBS/PIMP v3.25
Date: Fri, 21 Apr 95 11:43:39 -0500
Subject: APRS to Heath WxStn
To: aprssig@tapr.org

Actually, there are two questions here. First, if you're interested in interfacing APRS to the Heath weather stations, Bob, I can supply you with the information to do it. I'm currently fine-tuning a Crosstalk Mk.4 script to download observations from the weather station every 5 minutes, post them on a computer network, then broadcast APRS-compatible observations. Unfortunately, I don't have an extra radio and TNC to put on 145.79 yet...

Second, is the post-6.4 version of APRS capable of having the port address and IRQ specified for COM ports yet? Under OS/2, I've got 5 COM ports, but only COM1 and COM2 have "standard" IRQs... the other 3 use different IRQs, and one "odd" port, to avoid conflicts. I also have another system that uses 16 ports, all at "odd" addresses. If APRS can accept "weird" combinations, I can set it up as one task under OS/2, and still have access to other things that currently use the "standard" ports...

BTW - what's the FTP address for getting the latest version? The only one I've found so far is the 6.4b version posted on CompuServe...

Thanks!

Jeff Brenton
Chief of Weather Operations
McHenry County (IL) ESDA
KA9VNV

From gpoland@aztec.asu.edu Fri Apr 21 13:35:13 1995
Received: from post3.inre.asu.edu (post3.INRE.ASU.EDU [129.219.10.148]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id NAA21393 for <aprssig@tapr.org>; Fri, 21 Apr 1995 13:35:06 -0500
Received: from aztec.asu.edu by asu.edu (PMDF V4.3-10 #7723)
id <01HPLL2JM4348X9ZTM@asu.edu>; Fri, 21 Apr 1995 11:34:35 -0700 (MST)
Received: by aztec.asu.edu (4.1/SMI-4.1) id AA23399; Fri, 21 Apr 95 11:34:31 MST
Date: Fri, 21 Apr 1995 11:34:31 -0700 (MST)
From: gpoland@aztec.asu.edu (GEORGE J. POLAND)
Subject: Dead Reckoning on HF
To: aprssig@tapr.org
Reply-to: gpoland@aztec.asu.edu
Message-id: <9504211834.AA23399@aztec.asu.edu>
Content-transfer-encoding: 7BIT

Bob,

Thanks for the comments on HF dead reckoning. I finally got it to work reliably. My problem was not the wrong use of zulu times, but was due to lack of patience while waiting for the Hf DEAD RECKONING to start working. I find that it takes quite a bit longer for the HF mode DR to start than on VHF, probably due to the change in timing parameters and or selection of the SPEED prompt entry. Anyway all is functioning as advertised, (vers 6.8a) Thanks again.

73, George - W8FWF

From jeff.brenton@espi.com Fri Apr 21 14:57:03 1995

Received: from quake.xnet.com (quake.xnet.com [198.147.221.34]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id OAA21922 for <APRSSIG@TAPR.ORG>; Fri, 21 Apr 1995 14:56:50 -0500

From: jeff.brenton@espi.com

Received: from espi.com by quake.xnet.com (8.6.11/XNet-1.2R)

with UUCP id OAA18627 for APRSSIG@TAPR.ORG; Fri, 21 Apr 1995 14:56:43 -0500

Received: by espi.com

id 0K9IE051 Fri, 21 Apr 95 14:25:29 -0500

Message-ID: <9504211425.0K9IE05@espi.com>

Organization: ESP-BBS

X-Mailer: TBBS/PIMP v3.25

Date: Fri, 21 Apr 95 14:25:29 -0500

Subject: General APRS comments/?'s

To: APRSSIG@TAPR.ORG

Spending some time reading through the APRS README directory today. Decided to collect thoughts and post them for everyone to comment and/or answer.

TELEMETRY.TXT talks about using the Micro.Interface.Module for telemetry; has there been any thought to implementing one as a transmit-only TNC for attachment to the Ultimeter II? One of our projects for MCESDA is to get a remote weather station set up in each township in the county, which would ONLY beacon the weather. We're even looking at putting all of them on a separate frequency from "normal" APRS, and just repeat their information on APRS after collection at the central site. The MIM would SIGNIFICANTLY reduce the complexity and cost of this, unless it is outrageously priced... no price is mentioned in the file.

The HSP circuit in GPS.TXT is neat - I'm going to try to get one put together for a trip to California next week, where I will be showing off some aviation moving map stuff, and the APRS stuff might be of interest to the group, too... With 12 hours in flight enroute to play with it... It will hopefully be compatible with using two computers to monitor the output of the GPS, since the aviation moving map will also be listening (it runs on HP palmtops).

Have you thought about a format for integrating winds aloft into this system? For example, as a pilot, I'd love to have a station uploading the winds aloft for the local area every half hour or so (forecasts change every 12 hours, but can be amended), and I can give real-time wind/temperature reports. Winds Aloft (FD) are given in a fixed format, with temps included, at 3000 foot intervals.

Coincident with the trip to CA, I see how to embed symbols like VORs in specific maps, but... what's the best way to load a database of VORs that will show up on any map viewed, just like they were "stations heard"? Just use a "generic callsign" in a .BK-format file, and load that?

That's all for now - I'll be monitoring the wire. Thanks!

Jeff Brenton

Chief of Weather Operations

McHenry County (IL) ESDA

jeff.brenton@espi.com

From jbaum@freenet.columbus.oh.us Fri Apr 21 21:03:29 1995

Received: from ronco.freenet.columbus.oh.us (ronco.freenet.columbus.oh.us [164.107.107.13]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id VAA00341 for <aprssig@tapr.org>; Fri, 21 Apr 1995 21:03:25 -0500

Received: from acme.freenet.columbus.oh.us by ronco.freenet.columbus.oh.us (8.6.10/4.940426)

id WAA28413; Fri, 21 Apr 1995 22:02:56 -0400

Received: by acme.freenet.columbus.oh.us (8.6.10) id WAA07182; Fri, 21 Apr 1995 22:03:19 -0400

Date: Fri, 21 Apr 1995 21:53:52 -0400 (EDT)

From: John Baum <jbaum@freenet.columbus.oh.us>

Subject: New Ohio Maps -

To: aprs sig <aprssig@tapr.org>

Message-ID: <Pine.3.07.9504212152.A4896-a1000000@acme>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Just got done killing another month of nights and weekends and polished off OHMAPS03.ZIP. The file is now up to 89 Ohio maps. One can now travel from Cleveland down to Cincy, then up to Toledo, on a 4 mile range. (Except for a small patch NE of Columbus).

These maps include the work of KG8GE & KB8DP in the Marion area, as well as WB4APR's OHBooth.Map (he for got to mark the restrooms in Hara).

The file is available from my LLBBS (see phone number below) as well as ARN BBS in Md. (If I can get on to upload tonight - Fri.)

Hope to see ya all at Dayton - I'll be easy to spot - ye middle aged guy with a pot gut, glasses, my call sign on my hat and a handhled on my belt. Can't be to many people fitting that discription there ;-)

The Ohio Mapmaker - KB8JX0 - Sysop APRS OHIO LLBBS (614) 443-4249

Packet address: KB8JX0@W8CQK.#CMH.OH.USA

Cruise Missile Address: 39 56.35 N 082 58.89 W

The 137th most knowledgeable person about A.P.R.S.

From laborde@kilroy.jpl.nasa.gov Fri Apr 21 21:42:57 1995
Received: from kilroy.jpl.nasa.gov (kilroy.jpl.nasa.gov [128.149.63.2]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id VAA00657 for
<aprssig@tapr.org>; Fri, 21 Apr 1995 21:42:54 -0500
Received: from [128.149.100.84] (kd6msm.jpl.nasa.gov [128.149.100.84]) by
kilroy.jpl.nasa.gov (8.6.10/8.6.6) with SMTP id TAA16273 for <aprssig@tapr.org>;
Fri, 21 Apr 1995 19:42:33 -0700
Date: Fri, 21 Apr 1995 19:42:33 -0700
Message-Id: <199504220242.TAA16273@kilroy.jpl.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: laborde@kilroy.jpl.nasa.gov (Gregory R. LaBorde)
Subject: APRS Beaconing by non-APRS stations

Could someone send me some information on how to put APRS position
information into the BTEXT of BBSs, NODES, etc.? I thought I had something,
but I cannot find it. I did not find it reading through the README files.
There was a portion that said it could be done, but not what the different
'codes' are for signifying what kind of station it is. Also, the README
implies that the !xxxxN/xxxxW can go _anywhere_ in the BTEXT, but so far it
only seems to work if it goes at the beginning. Can APRS pick up grid
square data if it is enclosed in [square brackets] _anywhere_ in the BTEXT?

-Greg

--

Gregory R. LaBorde - KD6MSM	Internet: laborde@kilroy.jpl.nasa.gov
Jet Propulsion Laboratory	AMPRNet : kd6msm@jpl-gw.w6vio.ampr.org
Systems Engineering - Galileo OET	Packet : KD6MSM@W6VIO.#SOCA.CA.USA.NA
M/S 264-805 4800 Oak Grove Drive	Phone : (818) 393-1107
Pasadena, CA 91109	

From mxdp!twade@mxdp.afsv.af.mil Fri Apr 21 22:44:26 1995
Received: from mxdp.afsv.af.mil ([132.48.32.1]) by dingus.n5lyt.datarace.com
(8.6.10/8.6.9) with SMTP id WAA01047 for <aprssig@tapr.org>; Fri, 21 Apr 1995
22:44:22 -0500
Received: by mxdp.afsv.af.mil (5.65/1.2-eef)
id AA15809; Fri, 21 Apr 95 22:38:32 -0500
Message-Id: <9504220338.AA15809@mxdp.afsv.af.mil>
From: mxdp!twade@mxdp.afsv.af.mil (Tom Wade)
X-Mailer: SCO System V Mail (version 3.2)
To: aprssig@tapr.org
Subject: Test
Date: Fri, 21 Apr 95 22:38:31 CDT

I haven't rx anything for awhile. Just checking the mail out. Sorry for
wasted space.

Tom - N9CDQ
From wnolle@fly.HiWAAAY.net Sat Apr 22 01:39:35 1995

Received: from tiny.sprintlink.net (tiny.sprintlink.net [199.0.55.90]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id BAA02824 for <aprssig@tapr.org>; Sat, 22 Apr 1995 01:39:32 -0500
 From: wnolle@fly.HiWAAAY.net
 Received: from fly.HiWAAAY.net (fly.HiWAAAY.net [204.214.4.2]) by tiny.sprintlink.net (8.6.9/8.6.9) with SMTP id CAA04075 for <aprssig@tapr.org>; Sat, 22 Apr 1995 02:39:26 -0400
 Received: from hosts-176.HiWAAAY.net by fly.HiWAAAY.net; (5.65/1.1.8.2/03Mar95-1246PM)
 id AA12115; Sat, 22 Apr 1995 01:39:52 -0500
 Message-Id: <Chameleon.950422013641.wnolle@wnolle.HiWAAAY.net>
 Date: Sat, 22 Apr 95 01:31:00 CDT
 Reply-To: wnolle@fly.HiWAAAY.net
 To: aprssig@tapr.org
 Subject: Autocad software

Has anyone out there used Autocad for making maps, and them used the conversion software by Jim Krist {KG8GE) I'm interested in going that way but would like to hear from someone that has used it. I know the software will just do the conversion i believe, if this is the case will any version of autocad work?. I haven't seen the Author on the Sig. Any help will be appreciated.

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|          KE4EER          |
| PKT:KE4EER@K4BFT.#NOAL.AL.USA.NA |
|          [EM64sx]        |
|          APRS 145.790Mhz  |
|          3458'34N-08629'53W |
|          Coordinated 100W Digi Site |
|-----o000.-----|
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|          \_)          |

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From jeffl@comix.santa-cruz.ca.us Sat Apr 22 03:30:07 1995
 Received: from cats.ucsc.edu (cats-po-1.UCSC.EDU [128.114.129.22]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id DAA03002 for <aprssig@tapr.org>; Sat, 22 Apr 1995 03:30:03 -0500
 Received: from scruc.ucsc.edu by cats.ucsc.edu with SMTP id BAA22085; Sat, 22 Apr 1995 01:29:57 -0700
 Received: from comix by scruc.ucsc.edu id aa29386; 22 Apr 95 1:28 PDT
 Subject: National APRS freak
 To: aprssig@tapr.org
 Date: Sat, 22 Apr 1995 00:22:42 -0700 (PDT)
 From: Jeff Liebermann <jeffl@comix.santa-cruz.ca.us>
 In-Reply-To: <950420161238_90115718@aol.com> from "BillWB6LPG@aol.com" at Apr 20, 95 03:21:09 pm

X-machine: 386/25 clone. SCO Unix 3.2v4.2
X-Mailer: ELM [version 2.4 PL23]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Length: 2017
Message-ID: <9504220022.aa12575@comix.Santa-Cruz.Ca.US>

I got your packet note about co-ordination and the national APRS frequency. Bob W?6FRI is no longer the 440 co-ordinator but is still involved in 1296Mhz. We've been on 440.925+ for about 18 months with almost no interference. The only thing we've ever heard is one of the southern Calif repeater outputs on our input when the skip was in last summer. The application has been in the works for several months now.

Last I heard, NARCC does NOT do packet frequencies and leaves that to NCPA. Incidentally, George K6TAM is on the NCPA board.

I like the idea of a national APRS frequency. However, there are LOTS of VHF simplex frequencies available. While I don't like the way the DX packet clutter grabbed a freq, they were at least willing to move around and did so 3 times.

The use of a single national aprs frequency is going to get abused. Already, we have users in the bay area running keyboard-to-keyboard chat session during commute hours, mobiles beaconing their location every 30 seconds, and stations using a digi path of relay,wide,relay,wide,wide,wide. (I really saw this one go by). Every beacon has 6 duplicates.

I'm not too good with the packet politics and will leave that to those that enjoy that kind of bickering. The last time we fired up the ELINT system overlooking the SF/Monterey bay area, the VHF (144-148) showed .05% utilization and UHF (440-450) showed .01% utilization over a 72 hr period. This was about a year ago and is probably higher today. Typical utilization in the commercial and public safety region 150-175 VHF region runs about 5%. I forgot what the UHF region reported. The ham bands are literally empty.

Midnight visitors in the office. The price of being a computer geek. Groan...

--

Jeff Liebermann Box 272 1540 Jackson Ave Ben Lomond CA 95005
408.336.2558 voice wb6ssy@ki6eh.#nocal.ca.usa wb6ssy.ampr.org [44.4.18.10]
408.699.0483 digital_pager 73557,2074 cis [don't]
jeffl@comix.santa-cruz.ca.us scruc.ucsc.edu!comix!jeffl
From BillWB6LPG@aol.com Sat Apr 22 10:54:44 1995
Received: from mail04.mail.aol.com (mail04.mail.aol.com [152.163.172.53]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id KAA03946 for

<aprssig@tapr.org>; Sat, 22 Apr 1995 10:54:39 -0500

From: BillWB6LPG@aol.com

Received: by mail04.mail.aol.com

(1.37.109.11/16.2) id AA023856078; Sat, 22 Apr 1995 11:54:38 -0400

Date: Sat, 22 Apr 1995 11:54:38 -0400

Message-Id: <950422115438_92284111@aol.com>

To: aprssig@tapr.org

Subject: Kam Plus & APRS

Subj: Kam Plus & APRS

Date: 95-04-22 12:45gmt

From: billwb6lpg@aol.com

To: aprssig@tapr.org

APRS user Bill/KB6LFM & outstanding Commtruck "RADIO FLYER" utilizes GPS/APRS

however unable transmit HF from APRS commands while in the program, using his Kam Plus., with Ver6.5 and up now V6.8a. All same/same as below.

Setup as fol: MYG - GATE

STR - \$7E/\$7C ((~/|))

PORT - VHF..... (To force HF xmit- changed to HF)

S - FREE BYTES 2943 A/H stream - IO DISCONNECTED

Boots-up APRS , all normal and in VHF mode. Changes Unproto path to "GATE, WIDE/APRS VIA Digi1. Types C-H (Controls -HF) and 2nd XMIT line at bottom goes from VHF to HF , however Kam+ will only transmit on VHF side, anything sent from his keyboard. A GPS mobile with GATE in path is correctly GATED from VHF to HF by his Kam+. Yet from his keyboard he cannot transmitt on his HF side.

Retyping C-V (Controls-VHF) the 2nd bottom XMT line shifts window from HF to VHF and keyboard transmits normally on VHF side, as it should. Unproto path not changed, and no VHF WARNING BOX (Gate in VHF path) is displayed. VHF side uses Digi1 path as is normal for VHF side.

By changing PORT to HF and using ~A and |A can lock into sending on HF side only, won't go to send on VHF side, yet GATES HF to VHF..

Anybody any ideas... ?????? Have done RESET, but no help. Intend do complete (open Kam box) and due RESTORE command.

I have found using some other programs in computer changes paramaters of Kam, this possible clue but cannot pin-point which one is causing above, contrar to APRS use.

Has numerous other fancy programs in computer, including PC Tools, Dos V5.0...

Anybody have any clues, ideas , thoughts, suggestions. Only saw one other msg from 9 area user with same problem. ????

My home QTH Kam+, set up as above, no such problem, Go HF xmit on keyboard command C-H and back to VHF with C-V command. No Unproto path change, only still get large WARNING box on VHF side, unless change the VHF Unproto path. APR/Bob to fix he says.

73's and Thanks for any help suggestions. Bill/KB6LFM @ W6PW.#NOCAL.CA. USA.NOAM..

73'S & Enjoy, billwb6lpg@aol.com or @KA6EYH.#NOCAL.CA.USA.NOAM.

From jbaum@freenet.columbus.oh.us Sat Apr 22 14:39:02 1995
Received: from ronco.freenet.columbus.oh.us (ronco.freenet.columbus.oh.us
[164.107.107.13]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id
OAA04558 for <aprssig@tapr.org>; Sat, 22 Apr 1995 14:38:44 -0500
Received: from acme.freenet.columbus.oh.us by ronco.freenet.columbus.oh.us
(8.6.10/4.940426)
id PAA04360; Sat, 22 Apr 1995 15:38:12 -0400
Received: by acme.freenet.columbus.oh.us (8.6.10) id PAA04205; Sat, 22 Apr 1995
15:38:36 -0400
Date: Sat, 22 Apr 1995 15:32:02 -0400 (EDT)
From: John Baum <jbaum@freenet.columbus.oh.us>
Subject: Everything but restrooms
To: aprs sig <aprssig@tapr.org>
Message-ID: <Pine.3.07.9504221502.A3090-g101000@acme>
MIME-Version: 1.0
Content-Type: MULTIPART/MIXED; BOUNDARY="1915860659-644240232-798579515:#3090"

--1915860659-644240232-798579515:#3090
Content-Type: TEXT/PLAIN; charset=US-ASCII

I don't know how many of you all can retrieve files that are
attached to these messages. If you can, then the attached file is basically
a 1.5 mile range street map of the area around Hara from the 1:100,000 CD-ROM
, combined with the booth map by WB4APR.

How accurate is it ? - Well, how accurate are most GPS's with S/A
cranked up. I would not use it to find the restrooms in the dark, but, hey, it
gives you an idea of how much detail one can get on maps.

The Ohio Mapmaker - KB8JX0 - Sysop APRS OHIO LLBBS (614) 443-4249
Packet address: KB8JX0@W8CQK.#CMH.OH.USA
Cruise Missile Address: 39 56.35 N 082 58.89 W
The 137th most knowledgeable person about A.P.R.S.

--1915860659-644240232-798579515:#3090
Content-Type: APPLICATION/octet-stream; name="OHHARA2.MAP"
Content-ID: <Pine.3.07.9504221535.A3090@acme>
Content-Description: New Hara Map

39.8475 ,Decimal LAT of map ORIGIN	Combo Map - using USGS 1:100,000
84.286 ,Decimal LONG of map ORIGIN	CD-ROM & Free Hand work by WB4APR
19200 ,Pixels per degree	Compiled by KB8JX0 4/95
39.8215 ,LAT of CENTER	
84.2555 ,LON of CENTER	
1.5 ,Map range from center	
1 ,Reserved	

Map generated by MAPFIX from USGS 100,000:1 CD ROM
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707,336
718,352
745,373
750,373

782,395
825,427
841,443
883,469
921,496
942,512
958,523
969,528
995,544
1054,587
1086,619
1097,629
1113,640
1123,656
1123,661
1129,667
1145,693
1166,715
1166,720
1187,741
1193,752
1203,768
1209,779
1214,784
1225,805
1230,811
1235,821
1241,827
1257,853
1267,864
1273,880
1278,885
1283,896
1289,907
1294,912
1299,923
1310,944
1315,955
1321,971
1331,981
1337,997
1342,1008
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From paul@paccomm.com Sat Apr 22 14:52:02 1995
Received: from paccomm.com ([163.125.30.1]) by dingus.n5lyt.datarace.com
(8.6.10/8.6.9) with SMTP id OAA04636 for <aprssig@tapr.org>; Sat, 22 Apr 1995
14:51:45 -0500
X-BBS-Msg-Type: P
Date: Sat, 22 Apr 95 08:04:01 UTC
Message-Id: <2968@paccomm.com>
From: paul@paccomm.com
To: aprssig@tapr.org
Subject: Wx info....

Seems like Wx info is still the burning topic in APRS.
Jeff Brenton raised the issue of winds aloft.
Seems like the 3D display I asked Bob to do for gliding would be ideal
for this. The subject of the Doppler radar stuff seems to have gone
quiet..... Anybody getting info to Bob on this?
The local Pinellas county gurus sed they have NWS data coming out on
the local system. Much as I've stared at the APRS monitoring stn here
I haven't seen any of it yet (?????????).
I'm sure Bob and I will be rubbing shoulders and comparing new ideas
next weekend. Any other thoughts, please send them to me or Bob....
Putting the ULTIMETER-II with the single chip telemetry module would
be neat, but not practical on an existing APRS channel (no DCD of
data is done, so it would QRM stuff something rotten).
PacComm has some other stuff up it's sleeves in this regard, so
stay tuned.....
Anyone got any idea what frequency the ICW wx stations are on?????
These are on every swing bridge up and down the ICW.
Monitoring these on a separate receiver and converting to APRS format
would be very useful.....
Best Regards, Paul

Paul Evans, W4/G4BKI paul@paccomm.com
+1 (813) 874-2980 Fax:+1 (813) 872-8696
Views expressed here are not necessarily those of PacComm.
I don't surf the internet, I SAIL IT!
Captain of S/V "Spindrift" (Catalina 36), Dunedin, FL.
PacComm Packet Radio Systems, Inc., 4413 N. Hesperides St., Tampa, FL 33614-7618
From amirault@max.tiac.net Sat Apr 22 15:27:24 1995
Received: from max.tiac.net (max.tiac.net [199.0.65.4]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTMP id PAA04854 for
<aprssig@tapr.org>; Sat, 22 Apr 1995 15:27:21 -0500
Received: (from amirault@localhost) by max.tiac.net (8.6.9/8.6.6.Beta9) id
QAA06517; Sat, 22 Apr 1995 16:25:53 -0401
Date: Sat, 22 Apr 1995 16:25:50 -0400 (EDT)
From: Richard Amirault <amirault@max.tiac.net>
Subject: Re: [APRSSIG:893] APRS Beaconing by non-APRS stations
To: aprssig@tapr.org
In-Reply-To: <199504220242.TAA16273@kilroy.jpl.nasa.gov>

Message-ID: <Pine.3.89.9504221625.B5718-0100000@max.tiac.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 21 Apr 1995, Gregory R. LaBorde wrote:

> Could someone send me some information on how to put APRS position
> information into the BTEXT of BBSs, NODES, etc.? I thought I had something,
> but I cannot find it. I did not find it reading through the README files.
> There was a portion that said it could be done, but not what the different
> 'codes' are for signifying what kind of station it is. Also, the README
> implies that the !xxxxN/xxxxW can go _anywhere_ in the BTEXT, but so far it
> only seems to work if it goes at the beginning. Can APRS pick up grid
> square data if it is enclosed in [square brackets] _anywhere_ in the BTEXT?
>

I'm using 6.8 and if you look in the PROTOCOL & SYMBOLS files in the
readme directory it should tell you all you need to know.

Good luck

Richard N1JDU in Boston
amirault@tiac.net

From kheyboer@pinegov.co.pinellas.fl.us Sat Apr 22 16:17:42 1995
Received: from pinegov (pinegov.co.pinellas.fl.us [136.174.202.1]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id QAA05141 for
<aprssig@tapr.org>; Sat, 22 Apr 1995 16:17:37 -0500
Received: by pinegov (5.0/SMI-SVR4)
id AA07164; Sat, 22 Apr 1995 17:11:15 +0000
Errors-To: root@pinegov.co.pinellas.fl.us
Date: Sat, 22 Apr 1995 17:11:13 +0100 (EDT)
From: Kevin Heyboer <kheyboer@pinegov.co.pinellas.fl.us>
To: "aprssig@tapr.org" <aprssig@tapr.org>
Cc: Paul <paul@paccom.com>
Subject: AFOS data stream
Message-Id: <Pine.SUN.3.91.950422170105.7154A-1000000@pinegov>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII
content-length: 0

Re: Weather data on APRS

Paul, don't strain your eyes. The RACES radio room is being rebuilt at
the EOC and the WX data source is temporarily disconnected. When it was
up, it was not being digipeated.

However, we had a meeting today with the Skywarn people from Pinellas,
Hillsborough and Manatee County today. I have been advised the AFOS
feed will be established prior to the start of hurricane season, and
Manatee County will be donating a VHF radio and a TNC to establish a
full time APRS station at the NWS Office in Ruskin.

Re: Doppler Radar pictures

Actually, I hadn't touched on that yet because the WSR-88D at Ruskin has not yet been commissioned. It will be commissioned on April 29, 1995, at which time the FAA will attach its feed line and the KTBW hourly radar summaries will return to public access via DUATS, Compuserve, Internet, etc.

Since the FAA/NWS use a grid system for composite radar data, I think it would be a great idea.

PS...Once KTBW is on the air, we hope Manatee, Sarasota, Pasco, and Polk Counties will join us on APRS. Current plans include moving the WIDE on the Clearwater Courthouse to the top of Majestic Towers in South Pasadena.. That would be 225 ft up.

73 de KD4UYR.

From billh@INS.INFONET.NET Sat Apr 22 17:18:31 1995
Received: from INS.INFONET.NET (ins.infonet.net [167.142.225.6]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id RAA05441 for
<aprssig@tapr.org>; Sat, 22 Apr 1995 17:18:26 -0500
Received: by INS.INFONET.NET (MX V4.1 AXP) id 79; Sat, 22 Apr 1995 17:20:46 CST
Date: Sat, 22 Apr 1995 17:20:46 CST
From: "John W. (Bill) Hays, W00MV" <billh@INS.INFONET.NET>
To: aprssig@tapr.org
Message-ID: <0098F45D.DE64E99C.79@INS.INFONET.NET>
Subject: APRS & Skywarn criticism-help!

I rcvd the following critique abt the use of APRS.

>Bill, I guess I can't understand how a "BEACON" of information sending thru
>digis or nodes are going to work. You will not have any idea whether any
>station received the information or not as there is no acknowledgements.
>However, if you set up a BBS to forward the info into the ESDA coordinators
>personal mailboxes, you would know that they were received. Dont send
>the info to any BBSs, just forward it directly to the ESDA people.
>You are sold on APRS but trying to start another network strictly dedicated to
>APRS is not what most folks are interested in, they still are trying to build
>the backbone up. Down this way, the preferred type of operation would be
>to take all forwarding off of 5.01 not start up another network of APRS
>stations. All of this for the one bad month a year of weather, doesn't make
>sense to me. The NWS can come right down the backbone, connect directly to
>nodes and right into the ESDA coordinator's mailboxes and leave the info,
>not hope that there stations see the beacon of information that would not
>be ack'ed back.
>I will see if anyone is interested in attending on the 30th
>but it sounds like there will be NO discussion on what's the best, it sounds
>like it has already been decided.

You know, your first message to me about
this APRS and 5.79 was just last week, up until then NO one had discussed

this with ANY downstate ESDA coordinators in Hancock or Warren county, now all of a sudden it is said we not only need nodes, but they have to be on 5.79....Lots of equipment on 5.79 just for the weather? HMMMMMMMMMM.
73 Frank

The guy has some valid points that need to be addressed!!!!

Any ideas?

73, Bill

From jeff.brenton@espi.com Sun Apr 23 00:56:51 1995

Received: from quake.xnet.com (quake.xnet.com [198.147.221.34]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTTP id AAA08092 for

<aprssig@tapr.org>; Sun, 23 Apr 1995 00:56:44 -0500

From: jeff.brenton@espi.com

Received: from espi.com by quake.xnet.com (8.6.11/XNet-1.2R)

with UUCP id AAA03867 for aprssig@tapr.org; Sun, 23 Apr 1995 00:56:43 -0500

Received: by espi.com

id 010JS01X Sun, 23 Apr 95 00:43:21 -0500

Message-ID: <9504230043.010JS01@espi.com>

Organization: ESP-BBS

X-Mailer: TBBS/PIMP v3.25

Date: Sun, 23 Apr 95 00:43:21 -0500

Subject: Ultimeter+MIM

To: aprssig@tapr.org

On 22 April, Paul Evans mentioned that the MIM circuit doesn't do DCD, and would cause QRM. Hmmm... the doc file said that it had a line that could or should be attached to the receiver, to detect when the frequency was busy; not as good as a true DCD from a modem, but that is how a lot of simple TNCs seem to work. Anything heard means "frequency busy, keep quiet".

While I like the PacComm solution, for the situation I'm talking about, it's vastly overkill. As I mentioned, we're looking into putting our "network" of such automated stations onto a separate frequency, probably commercial or public service band, because there is some information we want to collect that isn't exactly for public consumption - namely, water levels at all our flood gauges.

[That particular application, BTW, would probably involve a computer at the site to take the gauge readings, so having a full TNC makes sense there]

I was introduced to APRS strictly because of its weather aspect. In fact, it wasn't until I started reading the documentation that I discovered that wasn't the primary purpose it was designed for... Or, was it?

From jeffl@comix.santa-cruz.ca.us Sun Apr 23 05:49:39 1995

Received: from cats.ucsc.edu (cats-po-1.UCSC.EDU [128.114.129.22]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTTP id FAA08790 for

<aprssig@tapr.org>; Sun, 23 Apr 1995 05:49:36 -0500

Received: from scruc.ucsc.edu by cats.ucsc.edu with SMTP

id DAA08011; Sun, 23 Apr 1995 03:49:33 -0700

Received: from comix by scruc.ucsc.edu id aa11238; 23 Apr 95 3:49 PDT
Subject: Re: [APRSSIG:896] National APRS freak
To: aprssig@tapr.org
Date: Sun, 23 Apr 1995 00:36:46 -0700 (PDT)
From: Jeff Liebermann <jeffl@comix.santa-cruz.ca.us>
In-Reply-To: <Pine.3.89.9504221958.A1247-0100000@ccnet3> from "Bob Wilkins" at Apr
22, 95 08:09:09 pm
X-machine: 386/25 clone. SCO Unix 3.2v4.2
X-Mailer: ELM [version 2.4 PL23]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Length: 622
Message-ID: <9504230036.aa20244@comix.Santa-Cruz.Ca.US>

> Hi Jeff,
> On Sat, 22 Apr 1995, Jeff Liebermann wrote:
> > I see how much damage I've done.
> No damage here ;-)

So that everyone knows what happened, I goofed and replied
to a message posted to the mailing list without looking at
how my mailer addressed the reply. Instead of the author,
it went to the mailing list. Sorry about the mess.

--
Jeff Liebermann Box 272 1540 Jackson Ave Ben Lomond CA 95005
408.336.2558 voice wb6ssy@ki6eh.#nocal.ca.usa wb6ssy.ampr.org [44.4.18.10]
408.699.0483 digital_pager 73557,2074 cis [don't]
jeffl@comix.santa-cruz.ca.us scruc.ucsc.edu!comix!jeffl
From jhussey@freenet.columbus.oh.us Sun Apr 23 07:33:32 1995
Received: from ronco.freenet.columbus.oh.us (ronco.freenet.columbus.oh.us
[164.107.107.13]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id
HAA09060 for <aprssig@tapr.org>; Sun, 23 Apr 1995 07:33:30 -0500
Received: from acme.freenet.columbus.oh.us by ronco.freenet.columbus.oh.us
(8.6.10/4.940426)
id IAA04979; Sun, 23 Apr 1995 08:33:02 -0400
Received: by acme.freenet.columbus.oh.us (8.6.10) id IAA00495; Sun, 23 Apr 1995
08:33:27 -0400
Date: Sun, 23 Apr 1995 08:08:22 -0400 (EDT)
From: Joseph Hussey <jhussey@freenet.columbus.oh.us>
Subject: PROB Ver. 6.8/6.8a
To: aprssig@tapr.org
Message-ID: <Pine.3.07.9504230822.A28377-a100000@acme>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Have noted the following problems with ver 6.8/6.8a.

1. DXcluster Mode works intermittently. On 6.8 I could not get it to work at
all and on 6.8a it worked one time (I have cannot get it to work again!!).
Data is received but calls are not placed on the map. The P-screen
shows all lat/long as nulls (000s). The alt-ALL command will plot the

entire callsign database.

2. One user reported an intermittent problem, starting with Ver. 6.8a, with the software failing to position GLL tracks. This problem was observed on version 6.8 - where the GLL string would be received and displayed at the bottom of the screen but not placed on the screen (e.g, POS 2220117>/RAW - would appear in the blue box). The GGA and RMC sentences seem to track OK. This might relate to what was reported on Ver. 6.8a.

From dhenders@InterServ.Com Sun Apr 23 09:08:51 1995
Received: from InterServ.Com (troi.interserv.net [165.121.1.68]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id JAA09279 for <aprssig@tapr.org>; Sun, 23 Apr 1995 09:08:49 -0500
From: dhenders@InterServ.Com
Received: from 204.120.34.156 ([204.120.34.156]) by InterServ.Com (4.1/SMI-4.1) id AA08296; Sun, 23 Apr 95 07:07:23 PDT
Date: Sun, 23 Apr 95 07:07:22 PDT
Message-Id: <9504231407.AA08296@ InterServ.Com>
Subject: Advice on Garmin GPS-40
To: aprssig@tapr.org
X-Mailer: AIR Mail 3.X (SPRY, Inc.)

Hi fellow SIGgers:

I am considering buying a Garmin GPS-40 not only for APRS use but also for hunting and fishing.

Has anyone used this unit for these multiple uses and what is your opinion?

I notice that the unit does not have a "pop-up" type antenna but you must buy separate antenna. How does the unit work without an antenna added. Is it ok in the woods as well as out in the open? Is the accuracy of the "fix" effected by having an outside antenna attached?

Any opinions would be appreciated. You may e-mail me direct if you don't wish your opinions to be broadcast by the SIG.

Thanks for your help. 73.

Dave, N3EOY

From kheyboer@pinegov.co.pinellas.fl.us Sun Apr 23 09:47:47 1995
Received: from pinegov (pinegov.co.pinellas.fl.us [136.174.202.1]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id JAA09441 for

<aprssig@tapr.org>; Sun, 23 Apr 1995 09:47:43 -0500
Received: by pinegov (5.0/SMI-SVR4)
id AA08654; Sun, 23 Apr 1995 10:37:38 +0000
Errors-To: root@pinegov.co.pinellas.fl.us
Date: Sun, 23 Apr 1995 10:37:37 +0100 (EDT)
From: Kevin Heyboer <kheyboer@pinegov.co.pinellas.fl.us>
To: "aprssig@tapr.org" <aprssig@tapr.org>
Cc: billh@INS.INFONET.NET
Subject: APRS Criticism for SKYWARN use
Message-Id: <Pine.SUN.3.91.950423103509.8649A-100000@pinegov>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII
content-length: 0

Re: Bill's message on the criticism he is getting for APRS and SKYWARN use

When I saw your message, I almost fell out of my chair laughing. The argument you are getting is IDENTICAL to the one we went through over a year ago when I first suggested scrapping the old message forwarding system for something new...even the frequency is the SAME!

Anyway...try these replies against their arguments and you may very well get them to see the light:

1. APRS sends bulletins in real time direct to the user, sounding a tone at the same time....one packet burst is received by all...less channel loading.
2. APRS allows for real time dead reckoning of all severe storms and tornados as displayed on local NWS radar or based upon NWS forecast data. Also has capabilities of ranging, tracking, or identifying storm shelters, evacuation zones, and supply depots, traffic posts, you name it, you can track it!
3. APRS allows for the graphical identification of all storm spotters and their locations....When asked for conditions at a specific location, the net control operator can look at the map and know who to call on the radio.
4. APRS can graphically display watch boxes and warning boxes.
5. APRS can monitor as many automatic weather stations as you want to install, and alarms can be set to automatically alert ALL of the monitoring stations, AT THE SAME TIME.
6. APRS messages ARE acknowledged....the ACK packet is sent from the receiving station regardless of weather the operator is at the keyboard.
7. APRS system can be monitored by non-hams at NWS and EOC offices. Any scanner can be used as a receiver.

8. APRS can be set up with an AUTOMATIC HF GATEway for nationwide coverage.
9. Nothing in APRS stops you from having a VHF-VHF node on the frequency to connect into the existing BBS system.
10. Nothing in APRS stops you from doing a connect or having a personal mailbox on the frequency.
11. NWS bulletins can be fed directly onto the APRS frequency and displayed via the All Beacons screen. The National Hurricane Center will be doing this beginning this coming season...
If that works, perhaps SELS will consider the same.
12. The only special equipment required for APRS to work at its full potential is an IBM PC or MacIntosh computer to run the program, everything else is the same.
13. Non IBM/MacIntosh users can still read the bulletins in Unproto monitoring mode and they can still address stations using the KA0BCD : Message mode in unproto.
14. One, well placed, high altitude digipeater is all you really need.
15. The 145.79 frequency is being pushed nationwide since it is NOT cluttered with other packet traffic. Use of an existing packet net for emergency communications does not work. No way to stop hams not involved in the emergency from downloading the last six months of the AMSAT journal while your trying to pass priority traffic!
16. Message forwarding systems do NOT guarantee receipt of the message, they only guarantee the message was received at the first message server. If you don't believe me, send me a packet message to: KD4UYR @W4DPH.#CLW.FL.USA.NA....put in the exact time you sent it... IF I get it....I will reply with the time lag!
17. Use of message servers REQUIRES the recipient to LOOK FOR the message on the BBS or PBBS. APRS messages are there as soon as they are sent.

Thats about all I can think of right now but I am sure there are more reasons to use APRS instead of the conventional store and forward system.

Good Luck!

73 de Kevin Heyboer KD4UYR
Director/Pinellas Skywarn
Clearwater, Florida
kheyboer@co.pinellas.fl.us
KD4UYR@W4DPH.#CLW.FL.US.NA

Remember: THERE ARE NO BASEMENTS in Florida!

From hurlockw@netaxis.com Sun Apr 23 09:49:47 1995
Received: from netaxis.com (eliza.netaxis.com [198.69.103.2]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id JAA09454 for
<aprssig@tapr.org>; Sun, 23 Apr 1995 09:49:44 -0500
Received: from mail.netaxis.com (eliza.netaxis.com) by netaxis.com (5.0/SMI-SVR4)
id AA10960; Sun, 23 Apr 1995 10:53:12 -0400
Message-Id: <9504231453.AA10960@netaxis.com>
X-Sender: hurlockw@netaxis.com
X-Mailer: Windows Eudora Version 1.4.4
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 23 Apr 1995 10:50:56 -0400
To: aprssig@tapr.org
From: hurlockw@netaxis.com (Bill Hurlock)
Subject: Garmin 45 and Altitude
content-length: 712

Bob, there seems to be a problem with the math used in 6.8a to convert the
Metric Altitude numbers to feet. When I check the current read out on the
Garman against the screen in APRS 6.8a, APRS reports a lower altitude. I run
the Garmin 45 in Simulator mode so I can preset the altitude and other
params to what I want. This makes check out easy when you can't get real Sat
signals. BTW 6.8a is behaving better with the Garmin-45, but there are still
alot of times that APRS reports good GLL reads but nothing is posted to the
map. Keep up the good work....

//-----
hurlockw@netaxis.com
wa2tqi.ampr.org 41.08.33N 73.23.51W
grid square FN31jd

From miles@MAIL.UTEXAS.EDU Sun Apr 23 10:15:26 1995
Received: from smtp.utexas.edu (smtp.utexas.edu [128.83.126.2]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id KAA09629 for
<aprssig@tapr.org>; Sun, 23 Apr 1995 10:15:22 -0500
Received: from mail.utexas.edu (mail.utexas.edu [128.83.126.1]) by smtp.utexas.edu
(8.6.7/8.6.6) with ESMTP id JAA03192 for <aprssig@tapr.org>; Sun, 23 Apr 1995
09:39:03 -0500
Received: from [128.83.204.70] (slip-1-70.ots.utexas.edu [128.83.204.70]) by
mail.utexas.edu (8.6.9/8.6.6) with SMTP id JAA28644 for <aprssig@tapr.org>; Sun,
23 Apr 1995 09:38:57 -0500
Message-Id: <v01520b00abc015308cb8@[128.83.111.115]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 23 Apr 1995 09:39:41 -0500
To: aprssig@tapr.org
From: miles@MAIL.UTEXAS.EDU (Miles Abernathy)
Subject: Re: [APRSSIG:906] Advice on Garmin GPS-40

>I am considering buying a Garmin GPS-40 not only for APRS
>use but also for hunting and fishing.

>

>Has anyone used this unit for these multiple uses and what
>is your opinion?

The advantage of the Garmin GPS-45 over the 40 is that the 45 can accept input voltages of 5 to 40 volts DC (GPS-40 has a much narrower range, not even up to 13.8 volts), and that it can accept an external antenna (BNC connector). The power / data connector lists for \$30.

The GPS-45 is waterproof, and the GPS-40 probably is also. Both are very small.

Recently, West Marine had the GPS-45 on sale for the same price as the GPS-40, \$299.99. Sorry, I don't have their phone number.

Both units evidently use the same difficult-to-learn, easy-to-screw-up command set. West Marine is reported to sell a third-party book on how to program the unit(s).

Good luck!

Miles Abernathy, University of Texas, POB 7580, Austin TX 78713 U.S.A.
miles@mail.utexas.edu N5K0B tel. 512-471-6521 Hook 'em Horns!

From BillWB6LPG@aol.com Sun Apr 23 11:46:34 1995
Received: from mail04.mail.aol.com (mail04.mail.aol.com [152.163.172.53]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id LAA10092 for <aprssig@tapr.org>; Sun, 23 Apr 1995 11:46:31 -0500
From: BillWB6LPG@aol.com
Received: by mail04.mail.aol.com (1.37.109.11/16.2) id AA253845590; Sun, 23 Apr 1995 12:46:30 -0400
Date: Sun, 23 Apr 1995 12:46:30 -0400
Message-Id: <950423124629_93184466@aol.com>
To: aprssig@tapr.org
Subject: PCMCIA & GPS

To: bruninga@greatlakes.nadn.navy.mil (Robert Bruninga)
aprssig@tapr.org

With most all LapTop computers now offering PCMCIA card slots and only one serial port, has anyone considered adapting APRS for use with any type of PCMCIA card.

Know Trimble has a Mobile GPS PCMCIA GPS Sensor and mailing you their brochure on the sensor. Mentions GPS Demo Program and expensive Developer's Software Toolkit. (\$995.00).

>From Tigersoftware catalog mentions operates with City Streets for Windows in a laptop with the Trimble PCMCIA card.

With the gathering of intellectuals at Dayton, APRS/PCMCIA use's should be considered for future expansion.

I wrote to Trimble on subject on April 1, but no reply as yet.

Now that Dayton is upon us, enlighten all on the mystery Readme.DIR file VOXRPTR.TXT .. What's this tone encoded GPS APRS MIC Encoder all about that us non Dayton attendees have so anxiously been awaiting. Little more pre info desired. Hi...Have fun at Dayton...

73's @ Enjoy, Bill/WB6LPG@KA6EYH.#NOCAL.CA.USA. or billwb6lpg@aol.com

From wno1le@fly.HiWAAAY.net Sun Apr 23 14:34:59 1995
Received: from tiny.sprintlink.net (tiny.sprintlink.net [199.0.55.90]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id OAA10593 for <aprssig@tapr.org>; Sun, 23 Apr 1995 14:34:57 -0500
From: wno1le@fly.HiWAAAY.net
Received: from fly.HiWAAAY.net (fly.HiWAAAY.net [204.214.4.2]) by tiny.sprintlink.net (8.6.9/8.6.9) with SMTP id PAA09444 for <aprssig@tapr.org>; Sun, 23 Apr 1995 15:34:55 -0400
Received: from hosts-176.HiWAAAY.net by fly.HiWAAAY.net;
(5.65/1.1.8.2/03Mar95-1246PM)
id AA20215; Sun, 23 Apr 1995 14:35:24 -0500
Message-Id: <Chameleon.950423143209.wno1le@wno1le.HiWAAAY.net>
Date: Sun, 23 Apr 95 14:31:07 CDT
Reply-To: wno1le@fly.HiWAAAY.net
To: aprssig@tapr.org
Subject: ?????????

Have not been receiving any APRSSIG messages what's happening. I'm realy missing them.

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-----o000o-----oo-----o000.-----
|               KE4EER               |
| PKT:KE4EER@K4BFT.#NOAL.AL.USA.NA |
|      [EM64sx]      |
|      APRS 145.790Mhz      |
|      3458'34N-08629'53W      |
|      Coordinated 100W Digi Site      |
|-----o000.-----|
      .ooo0      ( )
      ( )      ) /
      \ (      (_/
      \_)

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From ksproul@hardees.rutgers.edu Sun Apr 23 20:30:14 1995
Received: from hardees.rutgers.edu (hardees.rutgers.edu [128.6.18.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id UAA11906 for <aprssig@tapr.org>; Sun, 23 Apr 1995 20:30:12 -0500
Received: (from ksproul@localhost) by hardees.rutgers.edu
(8.6.12+bestmx+oldruq+newsunq+grosshack/8.6.12) id UAA21393 for aprssig@tapr.org;

The booth is located at the same location as the last several years. We should have most items and kits available and another big membership offer will be available to new members! Come by and say hi to the TAPR gang and if you want, help out behind the table. The more the merrier.

Regional Groups Note: If you are with a regional digital group, please stop by and chat with Greg Jones, WD5IVD about how TAPR can do things with your regional group. There will also be a place at the booth to place regional materials, so if you have something to hand out, drop it off.

Friday - TAPR Digital Forum

1:00pm - 1:45pm	Introduction to Digital Communications Greg Jones, WD5IVD
1:45pm - 2:00pm	TAPR Update John Ackerman, AG9V
2:00pm - 2:30pm	Layer 1 and Radio Issues Mel Whitten, K0PFX
2:30pm - 3:00pm	TAPR/AMSAT DSP-93 Project Update Bill Reed, WD0ETZ
3:00pm - 3:30pm	TCP/IP Issues and Trends Barry McLaren, VE3JF
3:30pm - 3:45pm	BBS Issues and Trends Barry Buelow, WA0RJT
3:45pm - 4:00pm	HF Digital Communications Trends
4:00pm - 4:30pm	APRS Bob Bruninga, WB4APR
4:30pm - 5:30pm	TAPR APRS SIG Keith Sproul, WU2Z

PACK*BASH T95 - Friday Evening

A new event for the digitally-inclined ham, featuring:

- * Buffet dinner (with cash bar)
- * Nationally-known speakers holding forth on current topics:
 - * Bob Bruninga, WB4APR (Author of APRS)
 - * Dewayne Hendricks, WA8DZP
- * Prize raffle
- * Lots of Informal Discussion
- * TAPR NET SIG and a second APRS SIG meeting

When?

Friday evening, April 28, 1995

Dinner starts at 7:00 PM, speaker at 7:45 PM

Everyone is invited to attend, but dinner is only available to those with reservations.

Where?

TJ's Restaurant, 2462 Dryden Road, Dayton

(Dryden Road exit, I75 -- across from the Holiday Inn)
(Maps available at the TAPR booth)

How?

Dinner requires advance registration (by April 24th)
Come by the TAPR booth at Dayton to check on additional space.
Everyone is invited to come, but dinner is only available to those
with reservations.
Dinner cost is \$16.00 per person, tax and tip included.

To register, contact:

TAPR (tapr@tapr.org)

Phone: (817) 383-0000, Fax: (817) 566-2544

Who?

PACK*BASH is co-sponsored by TAPR -- Tucson Amateur Packet Radio,
the national leader in digital communication -- and the Miami
Valley FM Association, Dayton's packet radio club.

(This is a replacement of the McNasty's event)

Saturday - BBS SIG Meeting

The TAPR BBS SIG will meet Saturday night at 7:00pm

Where: Radison Hotel - Premier Room

The Radison is located near the intersection of I-75 and
Needmore Rd. This is not far from Hara Arena.

New feature this year - CHAIRS !!!

This is a great opportunity to meet with fellow BBS Sysops and discuss
current events and plans for the future. TAPR membership is not a
requirement, this event is open to the public.

For more information, stop by the TAPR booth at HARA.

Tucson Amateur Packet Radio (tapr@tapr.org)

8987-309 E Tanque Verde Rd #337 * Tucson, Az * 85749-9399 * 817-383-0000

From JKANDEL@umiami.ir.miami.edu Mon Apr 24 07:55:10 1995

Received: from stimp.y.ir.miami.edu (stimp.y.ir.miami.edu [129.171.32.32]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id HAA15064 for
<aprssig@tapr.org>; Mon, 24 Apr 1995 07:55:07 -0500

From: JKANDEL@umiami.ir.miami.edu

Received: from umiami.ir.miami.edu by umiami.ir.miami.edu (PMDF V4.3-13 #7207)
id <01HPPMBA50SWA4L90S@umiami.ir.miami.edu>; Mon,
24 Apr 1995 08:54:59 -0400 (EDT)

Date: Mon, 24 Apr 1995 08:54:59 -0400 (EDT)
Subject: Re: [APRSSIG:899] Wx info....
To: aprssig@tapr.org
Message-id: <01HPPMBA6HQQ4L90S@umiami.ir.miami.edu>
X-Envelope-to: aprssig@tapr.org
X-VMS-To: IN%"aprssig@tapr.org"
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII
Content-transfer-encoding: 7BIT

Paul,
I'll try and find out about the wx stations on the ICW at the National Hurricane Center.

BTW - Did the Japanese docs make for good bed-time reading?

73,
Joel, KI4T

P.S. Is that Spindrift or Spendthrift?
From JKANDEL@umiami.ir.miami.edu Mon Apr 24 07:57:14 1995
Received: from stimp.y.ir.miami.edu (stimp.y.ir.miami.edu [129.171.32.32]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id HAA15077 for <aprssig@tapr.org>; Mon, 24 Apr 1995 07:57:12 -0500
From: JKANDEL@umiami.ir.miami.edu
Received: from umiami.ir.miami.edu by umiami.ir.miami.edu (PMDF V4.3-13 #7207) id <01HPPMET4EJAA4L90S@umiami.ir.miami.edu>; Mon, 24 Apr 1995 08:57:08 -0400 (EDT)
Date: Mon, 24 Apr 1995 08:57:08 -0400 (EDT)
Subject: Re: [APRSSIG:901] AFOS data stream
To: aprssig@tapr.org
Message-id: <01HPPMET4EJCA4L90S@umiami.ir.miami.edu>
X-Envelope-to: aprssig@tapr.org
X-VMS-To: IN%"aprssig@tapr.org"
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII
Content-transfer-encoding: 7BIT

Contact me at jkandel@gate.com, and we can discuss how all of this can hook up to the APRS station we're putting in at the National Hurricane Center.

73,
Joel, KI4T

From JKANDEL@umiami.ir.miami.edu Mon Apr 24 08:01:59 1995
Received: from ren.ir.miami.edu (ren.ir.miami.edu [129.171.32.33]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id IAA15139 for <aprssig@tapr.org>; Mon, 24 Apr 1995 08:01:55 -0500
From: JKANDEL@umiami.ir.miami.edu
Received: from umiami.ir.miami.edu by umiami.ir.miami.edu (PMDF V4.3-13 #7207) id <01HPPMI8L63WA4L90S@umiami.ir.miami.edu>; Mon, 24 Apr 1995 09:01:50 -0400 (EDT)
Date: Mon, 24 Apr 1995 09:01:50 -0400 (EDT)
Subject: Re: [APRSSIG:906] Advice on Garmin GPS-40

To: aprssig@tapr.org
Message-id: <01HPPMI8L63YA4L90S@umiami.ir.miami.edu>
X-Envelope-to: aprssig@tapr.org
X-VMS-To: IN%"aprssig@tapr.org"
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII
Content-transfer-encoding: 7BIT

I dont think the antenna is long enough on the Garnin 40 for fishing. A UHF whip might work better.
Dont the animals have enough of a disadvantage without navigating through the woods with GPS?

Joel, KI4T
From joserra@eurielec.clubs.etsit.upm.es Mon Apr 24 08:04:41 1995
Received: from dir.etsit.upm.es (dir.etsit.upm.es [138.100.17.10]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id IAA15161 for <aprssig@tapr.org>; Mon, 24 Apr 1995 08:04:35 -0500
Received: from eurielec.clubs.etsit.upm.es (joserra@eurielec.clubs.etsit.upm.es [138.100.31.132]) by dir.etsit.upm.es (8.6.10/4.8) with ESMTP id PAA11210 for <aprssig@tapr.org>; Mon, 24 Apr 1995 15:04:31 +0200
Received: (from joserra@localhost) by eurielec.clubs.etsit.upm.es (8.6.9/8.6.9) id NAA00840 for aprssig@tapr.org; Mon, 24 Apr 1995 13:50:31 +0100
Date: Mon, 24 Apr 1995 13:50:31 +0100
From: Jose Ramon Rodriguez Dolara <joserra@eurielec.clubs.etsit.upm.es>
Message-Id: <199504241250.NAA00840@eurielec.clubs.etsit.upm.es>
To: aprssig@tapr.org
Subject: UNSUBSCRIBE PLEASE

We have changed our E-mail Addr. Please unsubscribe
joserra@eurielec.clubs.etsit.upm.es from list
tnx,s

Jose Ramon
From bruninga@greatlakes.nadn.navy.mil Mon Apr 24 08:46:45 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id IAA15471 for <aprssig@tapr.org>; Mon, 24 Apr 1995 08:46:24 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1) id AA20190; Mon, 24 Apr 95 09:45:34 EDT
Date: Mon, 24 Apr 1995 09:45:33 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:889] APRS to Heath WxStn
In-Reply-To: <9504211143.0GH3S01@espi.com>
Message-Id: <Pine.SUN.3.91.950424094310.19898B@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 21 Apr 1995 jeff.brenton@espi.com wrote:

>

> Actually, there are two questions here. First, if you're interested in
> interfacing APRS to the Heath weather stations, Bob, I can supply you with the

> information to do it. I'm currently fine-tuning a Crosstalk Mk.4 script to
APR REPLY: Maybe someday...

> Second, is the post-6.4 version of APRS capable of having the port address and
> IRQ specified for COM ports yet? Under OS/2, I've got 5 COM ports, but only
APR REPLY: No. And no change in the plans either. APRS uses COM1/2
only or 3/4 as long as they use the SAME IRQ as 1/2. Sorry.

From bruninga@greatlakes.nadn.navy.mil Mon Apr 24 08:58:31 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id IAA15567 for
<aprssig@tapr.org>; Mon, 24 Apr 1995 08:58:24 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA20632; Mon, 24 Apr 95 09:57:33 EDT
Date: Mon, 24 Apr 1995 09:57:32 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:891] General APRS comments/?'s
In-Reply-To: <9504211425.0K9IE05@espi.com>
Message-Id: <Pine.SUN.3.91.950424094724.19898C@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 21 Apr 1995 jeff.brenton@espi.com wrote:

> TELEMETRY.TXT talks about using the Micro.Interface.Module for telemetry;
> has there been any thought to implementing one as a transmit-only TNC for
> attachment to the Ultimeter II?

>
APR REPLY: Yes! Its a beaut'!. A 5 foot PVC pipe with U-II anmmometer on
the top, 19 inches of NICADS, MIM Module an Agrelo XMTR below that and a 19
inch antenna dangling at the bottom. A solar panel on the side completes
the STAND-ALONE WX XMTR! No wire, no power, no nuttin!

>
CAVEAT: It transmits, but not WX data yet. Havent written the unique WX
parsing code yet. It will be on display at Dayton...

> The HSP circuit in GPS.TXT is neat - I'm going to try to get one put
> together for a trip to California next week, where I will be showing off
>

APR REPLY: Be prepared to mess with voltage levels unique to your GPS and
your PC. The HSP schematic I deelped assumed a +5/0 volt NMEA signal.
The GARMINs now are putting out +2/-2 volts and there may not be enough
positive excursion to make the HSP and the PC happy. Look at the data
going into the PC on a scope and be sure you are getting acceptable data
levels. Remove the extra emitter dropping diodes to help...

> Coincident with the trip to CA, I see how to embed symbols like VORs in
> specific maps, but... what's the best way to load a database of VORs that
> will show up on any map viewed, just like they were "stations heard"? Just
> use a "generic callsign" in a .BK-format file, and load that?
>

APR REPLY: Since loading a BK file wipes out wnything else on your screen, a better way is to make the file a .HST file. Then, anytime you want to see VORS, simply replay the file. The VORS will appear until you erase or re-draw the map. But they will not consume P-list space

From bruninga@greatlakes.nadn.navy.mil Mon Apr 24 09:05:53 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id JAA15588 for
<aprssig@tapr.org>; Mon, 24 Apr 1995 09:05:49 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA20826; Mon, 24 Apr 95 10:03:47 EDT
Date: Mon, 24 Apr 1995 10:03:47 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:893] APRS Beacons by non-APRS stations
In-Reply-To: <199504220242.TAA16273@kilroy.jpl.nasa.gov>
Message-Id: <Pine.SUN.3.91.950424100107.19898D-100000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 21 Apr 1995, Gregory R. LaBorde wrote:

> Could someone send me some information on how to put APRS position
> information into the BTEXT of BBSSs, NODES, etc.? I thought I had something,
>

APR REPLY: Format is in PROTOCOL.txt and symbols are in SYMBOLS.txt

> implies that the !xxxxN/xxxxW can go _anywhere_ in the BTEXT, but so far it
> only seems to work if it goes at the beginning. Can APRS pick up grid
> square data if it is enclosed in [square brackets] _anywhere_ in the BTEXT?
>

APR REPLY: The !xxx should be able to go anywhere. If NOT, can anyone else
confirm this? Grid Square data MUST be at the beginning of the BText..

From bruninga@greatlakes.nadn.navy.mil Mon Apr 24 09:22:28 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id JAA15779 for
<aprssig@tapr.org>; Mon, 24 Apr 1995 09:22:18 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA21166; Mon, 24 Apr 95 10:20:30 EDT
Date: Mon, 24 Apr 1995 10:20:29 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:905] PROB Ver. 6.8/6.8a
In-Reply-To: <Pine.3.07.9504230822.A28377-a100000@acme>
Message-Id: <Pine.SUN.3.91.950424101826.19898G-100000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 23 Apr 1995, Joseph Hussey wrote:

> 1. DXcluster Mode works intermittently. On 6.8 I could not get it to work at

> all and on 6.8a it worked one time (I have cannot get it to work again!!).

>

APR REPLY! Oh no! Ill check it out. I forget that mode is in there...

Anyone else?

> 2. One user reported an intermittent problem, starting with Ver. 68a

> with the software failing to position GLL tracks. This problem was

>

APR REPLY: Hummh, I though all was fixed in 68a? Anyone else?

From rwf@mindspring.com Mon Apr 24 10:21:27 1995

Received: from dylan.mindspring.com (dylan.mindspring.com [204.180.128.4]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id KAA16400 for

<aprssig@tapr.org>; Mon, 24 Apr 1995 10:21:22 -0500

Received: from rwf.mindspring.com [168.121.44.154] by dylan.mindspring.com

with SMTP id LAA10594 for <aprssig@tapr.org>; Mon, 24 Apr 1995 11:20:57 -0400

Message-Id: <199504241520.LAA10594@dylan.mindspring.com>

X-Sender: rwf@mindspring.com

X-Mailer: Windows Eudora Version 1.4.4

Mime-Version: 1.0

Content-Type: multipart/mixed; boundary="=====_798765576==_"

Date: Mon, 24 Apr 1995 11:19:36 -0500

To: aprssig@tapr.org

From: rwf@mindspring.com (rwf)

Subject: Re: [APRSSIG:919] Re: General APRS comments/?'s

X-Attachments: C:\MSPRING\EUDORA\HACKING.TOC;

--=====_798765576==_

Content-Type: text/plain; charset="us-ascii"

> jeff.brenton@espi.com wrote:

>> The HSP circuit in GPS.TXT is neat - I'm going to try to get one put

>> together for a trip to California next week, where I will be showing off

>>

Then WB4APR replied:

>APR REPLY: Be prepared to mess with voltage levels unique to your GPS and

>your PC. The HSP schematic I developed assumed a +5/0 volt NMEA signal.

>The GARMINS now are putting out +2/-2 volts and there may not be enough

>positive excursion to make the HSP and the PC happy. Look at the data

>going into the PC on a scope and be sure you are getting acceptable data

>levels. Remove the extra emitter dropping diodes to help...

>

MORE INFO from Ralph Fowler, N4NEQ- APRS/GPS user in Atlanta GA:

I was the one who let Bob know that the latest word from Garmin Tech Support is that the 40/45 put out real RS232. This is contrary to what they told me last year (that it was strange RS422 and needed to be level shifted) In


```
MS4wYTE1AABoYWNraW5nAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAP//////////  
//////////wAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADgAAAAAAUCgAAA38  
ZC8BAAAAAwAwMToxNCBQTSazLzEzLzk1IC0wNjAwAAAAAAAAAAAAAFBoawwgV2VzdAAAAAAAAAAAA  
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABGd2Q6IFNBVEFO  
IChmd2QpAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA//8A  
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFAoAACXUGAA7vpkLwEAAADADAX  
Oja5IFBNIDMvMTmvOTUgLTA2MDAAAAAAAAAAAAAUghpbCBZXN0AAAAAAAAAAAAAAAAAAAA  
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFRlbgVwaG9uZSBGcmF1ZCBTY2Fy  
ZSBMZXR0ZXIgmDEvMDQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAD//xIafwcAAAAAAAA  
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA53oAAIFSAAM+2QvAQAAAMAMDE6MTAgUE0gMy8x  
My85NSAtMDYwMAAAAAAAAAAAAAABQaglsIFdlc3QAAAAAAAAAAAAAAAAAAAAAAAAAAAA  
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAVGVsZXBob25lIEZyYXVkbFNjYXJlIExl dHRlc iAw  
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AAAAAAAAAAAAAAAAAAAAABozQAAMREADj7ZC8BAAAAAwAwMToxMSBQTSazLzEzLzk1IC0wNjAw  
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AAAAAAAAAAAAAAAAAAAAAdtAAQAI fQAaqPpkLwEAAADADAXOjA4  
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```

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aXN0c2VydiAoUUVCTElDKQAA
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AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
--=====798765576==_--

From rwf@mindspring.com Mon Apr 24 10:46:05 1995
Received: from dylan.mindspring.com (dylan.mindspring.com [204.180.128.4]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTTP id KAA16775 for
<aprssig@tapr.org>; Mon, 24 Apr 1995 10:46:01 -0500
Received: from rwf.mindspring.com [168.121.44.154] by dylan.mindspring.com
with SMTP id LAA14407 for <aprssig@tapr.org>; Mon, 24 Apr 1995 11:45:55 -0400
Message-Id: <199504241545.LAA14407@dylan.mindspring.com>
X-Sender: rwf@mindspring.com
X-Mailer: Windows Eudora Version 1.4.4
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 24 Apr 1995 11:44:33 -0500
To: aprssig@tapr.org
From: rwf@mindspring.com (rwf)
Subject: Re: [APRSSIG:922] Re: General APRS comments/?'s

A thousand pardons!

I just sent a reply out to the Group about the Garmin GPS 40/45. I
accidentally attached a file to the end. It was something I had saved in a
folder for work. It was intended to be a copy of a file with the Garmin
cable schematic.

I am *not* trying to mess with your minds!

Sorry if it caused any costernation to any of you!

Ralph

From jhussey@freenet.columbus.oh.us Mon Apr 24 11:04:43 1995
Received: from ronco.freenet.columbus.oh.us (ronco.freenet.columbus.oh.us
[164.107.107.13]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTTP id
LAA17059 for <aprssig@tapr.org>; Mon, 24 Apr 1995 11:04:38 -0500
Received: from acme.freenet.columbus.oh.us by ronco.freenet.columbus.oh.us

(8.6.10/4.940426)

id MAA10572; Mon, 24 Apr 1995 12:04:08 -0400

Received: by acme.freenet.columbus.oh.us (8.6.10) id MAA25171; Mon, 24 Apr 1995 12:04:35 -0400

Date: Mon, 24 Apr 1995 11:58:36 -0400 (EDT)

From: Joseph Hussey <jhussey@freenet.columbus.oh.us>

Subject: Re: [APRSSIG:921] Re: PROB Ver. 6.8/6.8a

To: aprssig@tapr.org

In-Reply-To: <Pine.SUN.3.91.950424101826.19898G-1000000@greatlakes.nadn.navy.mil>

Message-ID: <Pine.3.07.9504241127.A23507-a1000000@acme>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

DXcluster is now working with Ver 6.8a. I made sure that the APRS directory was in my PATH statement (that did not do it but its a good idea) and then placed the APRS/SYSTEM in an APPEND path in my autoexec.bat file. Apparently this enables programs to open data files in specified directories as if these files were in the current directory. This seems to have fixed the problem!!!! I am using MS-DOS Ver 5.0 and run APRS from a "stacker volume" designated drive "D:".

Hope this helps (and I hope it is in fact the cure).

From bruninga@greatlakes.nadn.navy.mil Mon Apr 24 11:08:18 1995

Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id LAA17108 for <aprssig@tapr.org>; Mon, 24 Apr 1995 11:08:14 -0500

Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)

id AA22343; Mon, 24 Apr 95 11:24:24 EDT

Date: Mon, 24 Apr 1995 11:24:24 -0400 (EDT)

From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>

To: aprssig@tapr.org

Subject: DAYTON map OHBOOTHs.map

Message-Id: <Pine.SUN.3.91.950424111905.22263A-1000000@greatlakes.nadn.navy.mil>

Mime-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Great map posted by KB8JX0 with streets detail in and around hara arena. When I first tried to load it into MAPFIX, I kept getting an error 5. Turns out, it didnt like the RANGE of 1.5 miles.

I changed it to 2.2 (so you could see it at the 2 mile range) and it worked fine. Then I changed it back to 1.5 to see why that failed, and it also worked fine! Now, I dont have a copy of the original to see what could ave been wrong with the original range....

Anyway, when you get this map, change its name from OHHARA2.map to OHBOOTHs.map to match the existing entry in the recent MAPLIST.APR distributions. This map superscedes my original OHbooths.map... and should replace it.

From DEANG@mail.syntron.com Mon Apr 24 14:38:43 1995
Received: from phoenix.net (phoenix.phoenix.net [199.3.232.2]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id OAA00367 for
<aprssig@tapr.org>; Mon, 24 Apr 1995 14:38:40 -0500
From: DEANG@mail.syntron.com
Received: from MAIL.SYNTRON.COM (mail.Syntron.com [204.95.129.236]) by
phoenix.net (8.6.10/8.6.6) with SMTP id OAA07613 for <aprssig@tapr.org>; Mon, 24
Apr 1995 14:32:03 -0500
Received: from cc:Mail by MAIL.SYNTRON.COM
id AA798759438 Mon, 24 Apr 95 14:37:18 CST
Date: Mon, 24 Apr 95 14:37:18 CST
Message-Id: <9503247987.AA798759438@MAIL.SYNTRON.COM>
To: aprssig@tapr.org
Subject: Maps

Has anyone tried using a SummaSketch III graphics tablet with
MAPFIXER.BAS? I can't seem to get it to output data in a format that
MAPFIXER likes.

Also, is the PLT2MAP program (Autocad to MAP conversion) available
via FTP or BBS? It is shareware or must I shell out \$25 to see if it
works.

73's KC5KGE

From bruninga@greatlakes.nadn.navy.mil Mon Apr 24 20:33:04 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id UAA00702 for
<aprssig@tapr.org>; Mon, 24 Apr 1995 20:32:55 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA29640; Mon, 24 Apr 95 21:32:03 EDT
Date: Mon, 24 Apr 1995 21:32:02 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: APRS on VOICE REPEATERS
Message-Id: <Pine.SUN.3.91.950424212340.29583E-100000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Here is the gist of what we will be introducing at DAYTON. Think it
through, I think it is the ultimate for HAM RADIO!

VOX-RPTR.txt	INTEGRATING APRS WITH VOICE REPEATERS	APRS
	THE APRS LOCATOR SYSTEM	PROPRIETARY
	Copyright 1993,4,5 WB4APR	

As the mobile GPS phenomenon continues to grow, there is a much more
cost effective method to provide mobile vehicle tracking, than to require
every mobile to have an additional TNC, digital radio, and second antenna
costing over \$400! The mobile position reports should be integrated into the
EXISTING vehicle two-way radios by transmitting the position report in a very
brief tone burst at the end of a voice transmission. With this scheme, no

additional hardware is required in the vehicle, other than a hand-held GPS unit.

By transmitting a position report at the end of a voice transmission, not only is this a period of dead time due to the almost universal courtesy-beeps found on amateur repeaters, but the tone burst can be easily muted out at the repeater receiver, so that the other mobile users DO NOT HEAR it! If the tone burst is about 0.25 seconds, then it will be virtually transparent to voice repeater operation. The new APRSc (Compressed) format achieves a complete position report, course, speed, and digipeater information in about 30 bytes including header, vice the 90 or more bytes in a normal APRS position report.

At the voice repeater receiver, a special APRS REPEATER NODE TNC picks off the position report and digipeats it out onto the dedicated APRS digital frequency for mobile position reporting using a path derived from the bits in the TO-SSID. In addition, it appends the repeater frequency onto the end of the position report so that digital users can see where the packet originated. If all voice repeaters digipeated onto the same digital position reporting channel (usually 145.79 nationwide) then anyone monitoring the APRS frequency will see ALL mobile position reports from ALL GPS mobiles on ALL frequencies!

HARDWARE: To implement this APRS LOCATOR SYSTEM, there are two critical elements needed. First is an APRS MIC ENCODER to handle the integration of the mobile GPS data into the users mobile microphone connector. Second is the specialized APRS REPEATER NODE that handles the digipeating of the compressed position reports heard on the voice repeater inputs over to the APRS digital channel. Details of each of these designs follows.

APRS MIC ENCODER: In order to make the APRS LOCATOR SYSTEM practical, the packet TNC for injecting the position report into the microphone audio had to meet several design constraints:

- * Must interface to UNMODIFIED radios via the MIC connector
- * Must compress position report into less than 0.25 seconds
- * Must Fail Safe so that MIC can always be used
- * Must be low enough in power so that it does not load the MIC power pin
- * Must have easily selectible user parameters
- * Must be very small for easy mounting and portability
- * Must accept the readily available NMEA output from GPS receivers
- * Must use standard AX.25 for interim compatibility

The result is a 1200 baud position report compressed to 32 bytes including beginning and ending FLAGS. This equates to about 250 ms, including CALLSIGN, DIGIPEATER PATHS, and a minimum message capability, and the packets are still receivable on ANY AX.25 TNC.

PACKAGING: The initial APRS MIC ENCODER design is about the size of a match box. This permits it to be TAPED to the MIC cord for convenient mounting and

for easy access to the configuration switches. The circuit interfaces to the MIC connector and has a miniature 1/8 inch phone jack to receive the NMEA data from the GPS unit. Not only is this arrangement the ultimate in simplicity, but it also makes the entire mobile vehicle position reporting system as portable as the microphone! Simply move the MIC from vehicle to vehicle, and as long as the radios are compatible at the MIC connector, then the vehicles are GPS ready!

On the APRS MIC ENCODER, there are 12 user configuration switches to permit the choice of operational mode, APRS symbol, digipeater path, and a brief message indicator as follows:

ON/OFF	Used to disable APRS beeps on non configured voice repeaters
AUTO/OFF	Auto will transmit when repeater is silent more than N secs.
DIG/VOX	Configures for digital channel or voice repeater use
1 Minute	Used to add 1 minute to the standard 30 sec period
2 minute	Used to add 2 minutes to the standard 30 sec period
DIR/OMNI	Used to set Directional or OMNI digipeating paths
LOC/DX	Used to set LOCAL or LONG DISTANCE digipeating paths
N/S	Used to set North/South digipeater directional routing
E/W	Used to set East/West digipeater directional routing
MSG1	Message bit 1 for user defined messages
MSG2	Message bit 2 for user defined messages
MSG3	Message bit 3 for user defined messages

On the back of the encoder module are 4 jumpers for selecting from the 16 different APRS mobile vehicle symbols. In the AUTO mode, after DOUBLE the normal transmission period, AND if the repeater has been silent for at least this same extended period, then a position packet will be transmitted.

DIRECTIONAL DIGIPEATING: Incorporated into this APRS LOCATOR SYSTEM is a new directional digipeating algorithm. Since the standard AX.25 digipeater field is omitted from the APRS compressed format, only a few bits are used to encode digipeating instructions to the APRS REPEATER NODE. These bits indicate whether the position report is to be digipeated omni-directionally or directionally, a short or long distance, and in what direction. This directionality concept is useful for reducing QRM for the long distance traveler that wants to be seen several hops ahead or behind his direction of travel. He sets the bits in the forward direction if he wants to alert those ahead that he is coming, or he sets them in the backward direction if he wants to inform his home area of where he has gone.

OMNIDIRECTIONAL DIGIPEATING: If the mobile has selected OMNI, then his position reports will be radiated outward in all directions. The new FLOOD-N algorithm (described in WIDE-N.txt) describes this function.

APRS REPEATER NODE: This special TNC NODE is designed to be integrated into every standard amateur voice repeater. The TNC performs a number of special functions to fully implement the APRS LOCATOR SYSTEM:

- * It has true DCD to distinguish between voice and data
- * It has a MUTE output (DCD) to mute the repeater audio during posit

- reports which must be 99.9% immune from falsing on voice
- * It digipeats all position reports from the repeater receiver to the dedicated APRS digital channel
 - * It implements the APRSc Directional Digipeating algorithm
 - * It implements the APRS FLOOD-N digipeater algorithm for OMNI packets
 - * It appends ADDText (usually the rpttr freq) to the end of all packets ("Voice on 146.940")
 - * It must have a second DCD audio input for the APRS packet channel for true CSMA efficiency, but this need only be an audio COR detector.

Notice that although the APRS REPEATER NODE function only listens on the voice repeater input and only transmits on the digital APRS packet frequency, it must also have a secondary DCD listening to the APRS packet channel to avoid collisions. This special APRS node function is NOT involved in any further routing on the APRS digital channel (I mean that it does NOT serve as a general purpose APRS digipeater on the digital channel). All it does is to insert the appropriate directional or OMNI digipeater path and digipeat the packet. This distinction, of course, is only a functional distinction, since APRS digipeater functions can be co-located, or even built into the same NODE box as long as dual digital receiver channels are maintained.

PERFECT DCD OR MUTE CONSIDERATIONS:

Since the ultimate acceptance of the POSIT-PACKET on voice repeaters will be determined by the minimization of the BRAAAAAAP sound on the repeater output, the DCD and subsequent muting of the repeater transmitter are very important. The APRS NODE must therefore provide a separate MUTE signal that is 99.99% percent accurate. Since most voice repeaters have simple analog delay lines of up to 50 ms to eliminate the squelch tail, the actual MUTE decision can be made as late as 50 ms after the initial DCD, and still be able to mute the packet from the repeater output!

NOTES: Notice that the APRS REPEATER NODE will also work on the digital channel! In other words, the APRS REPEATER NODE algorithms can also be running simultaneously in all of the APRS DIGI's so that the APRS compressed format will be picked up directly on the digital channel. These original packets are distinguishable because they DO NOT have an original DIGI field. Once a NODE processes them and adds the DIRECTIONAL or WIDE routing, they will be forwarded as usual. Notice that the NODE hardware can actually do both functions as long as dual digital receive channels are provided.

APRS PROPRIETARY

APRS PROPRIETARY

From jhussey@freenet.columbus.oh.us Tue Apr 25 10:31:27 1995
Received: from ronco.freenet.columbus.oh.us (ronco.freenet.columbus.oh.us [164.107.107.13]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id KAA04578 for <aprssig@tapr.org>; Tue, 25 Apr 1995 10:31:18 -0500

Received: from acme.freenet.columbus.oh.us by ronco.freenet.columbus.oh.us
(8.6.10/4.940426)

id LAA05178; Tue, 25 Apr 1995 11:30:43 -0400

Received: by acme.freenet.columbus.oh.us (8.6.10) id LAA11939; Tue, 25 Apr 1995
11:31:09 -0400

Date: Tue, 25 Apr 1995 11:25:24 -0400 (EDT)

From: Joseph Hussey <jhussey@freenet.columbus.oh.us>

Subject: APRS FORUM @ DAYTON?

To: aprssig@tapr.org

Message-ID: <Pine.3.07.9504251124.A9606-9100000@acme>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On one of the local repeaters it was reported:

There will be an APRS forum at Dayton this year. It will be held at the
Radison Hotel, 2401 Needmore Rd. (corner of I-75 & Needmore Rd.), Friday
morning from 0800 to 0930. It is supposed to be hosted by Gwen Reedy "Jade
Room #2".

Can anyone confirm this? I am aware of the APRS "eyeball" Saturday
evening at Mallard Landing. This is the first I have heard of the APRS Forum.

From rpss@afsncoa.ssc.af.mil Tue Apr 25 10:32:51 1995

Received: from afsncoa.ssc.af.mil (AFSNCOA.SSC.AF.MIL [143.158.217.1]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id KAA04591 for <aprssig>; Tue,
25 Apr 1995 10:32:40 -0500

Date: Tue, 25 Apr 1995 10:32:40 -0500

From: rpss@afsncoa.ssc.af.mil

Message-Id: <199504251532.KAA04591@dingus.n5lyt.datarace.com>

Subj: New E-mail Address

Content-Type: text

Content-Length: 142

Apparently-To: <aprssig>

My E-mail address has changed. Please send all mail to:

hfourquet@b1143s1.ssc.af.mil

Thank you!

Huey Fourquet

334-416-2341

DSN: 596-2341

From gjones@tenet.edu Tue Apr 25 11:12:01 1995

Received: from Alice-Thurman.tenet.edu (Alice-Thurman.tenet.edu [198.213.2.5]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id LAA04879 for
<aprssig@tapr.org>; Tue, 25 Apr 1995 11:11:56 -0500

Received: (from gjones@localhost) by Alice-Thurman.tenet.edu (8.6.11/8.6.9) id

LAA03362 for aprssig@tapr.org; Tue, 25 Apr 1995 11:11:53 -0500
From: Greg Jones <gjones@tenet.edu>
Message-Id: <199504251611.LAA03362@Alice-Thurman.tenet.edu>
Subject: Re: [APRSSIG:928] APRS FORUM @ DAYTON?
To: aprssig@tapr.org
Date: Tue, 25 Apr 1995 11:11:53 -0500 (CDT)
In-Reply-To: <Pine.3.07.9504251124.A9606-9100000@acme> from "Joseph Hussey" at Apr
25, 95 10:44:47 am
X-Mailer: ELM [version 2.4 PL23]
Content-Type: text
Content-Length: 3428

According to Joseph Hussey:

>
> On one of the local repeaters it was reported:
>
> There will be an APRS forum at Dayton this year. It will be held at the
> Radison Hotel, 2401 Needmore Rd. (corner of I-75 & Needmore Rd.), Friday
> morning from 0800 to 0930. It is supposed to be hosted by Gwen Reedy "Jade
> Room #2".
>
> Can anyone confirm this? I am aware of the APRS "eyeball" Saturday
> evening at Mallard Landing. This is the first I have heard of the APRS Forum.
>

They are several APRS related events happening.
I hadn't heard about the one put on by PacComm. Should probably be pretty
good and give you a chance to see what products they have available without
the press of the HamVention.

The APRS SIG (TAPR) has two presentations/meeting during the TAPR Digital
Forum on Friday during HamVention:

4:00pm - 4:30pm	APRS
	Bob Bruninga, WB4APR
4:30pm - 5:30pm	TAPR APRS SIG
	Keith Sproul, WU2Z

Then on Friday evening, Bob Bruninga, WB4APR (on this SIG) will be
discussing I believe some future issues for APRS...in addition Dwayne
Hendricks, WA8DZP is going to be discussing PCS and other related
technologies...should be two excellent discussions.

Last I heard Keith Sproul will also be holding forth an APRS SIG informal
chat after dinner and the speakers. Also, the NETSIG will be meeting. The
TAPR BBS SIG is meeting on Saturday.

PACK*BASH '95 - Friday Evening

A new event for the digitally-inclined ham, featuring:

- * Buffet dinner (with cash bar)
- * Nationally-known speakers holding forth on current topics:
 - * Bob Bruninga, WB4APR (Author of APRS)
 - * Dewayne Hendricks, WA8DZP
- * Prize raffle
- * Lots of Informal Discussion
- * TAPR NET SIG and a second APRS SIG meeting

When?

Friday evening, April 28, 1995

Dinner starts at 7:00 PM, speaker at 7:45 PM

Everyone is invited to attend, but dinner is only available to those with reservations.

Where?

TJ's Restaurant, 2462 Dryden Road, Dayton

(Dryden Road exit, I75 -- across from the Holiday Inn)

(Maps available at the TAPR booth)

How?

Come by the TAPR booth at Dayton for dinner reservation.

Everyone is invited to come, but dinner is only available to those with reservations.

Dinner cost is \$16.00 per person, tax and tip included.

To register, contact:

TAPR (tapr@tapr.org)

Phone: (817) 383-0000, Fax: (817) 566-2544

Who?

PACK*BASH is co-sponsored by TAPR -- Tucson Amateur Packet Radio, the national leader in digital communication -- and the Miami Valley FM Association, Dayton's packet radio club.

(This is a replacement of the McNasty's event)

Saturday - BBS SIG Meeting

The TAPR BBS SIG will meet Saturday night at 7:00pm

Where: Radison Hotel - Premier Room

The Radison is located near the intersection of I-75 and Needmore Rd. This is not far from Hara Arena.

New feature this year - CHAIRS !!!

This is a great opportunity to meet with fellow BBS Sysops and discuss current events and plans for the future. TAPR membership is not a requirement, this event is open to the public.

For more information, stop by the TAPR booth at HARA.

Tucson Amateur Packet Radio (tapr@tapr.org)
8987-309 E Tanque Verde Rd #337 * Tucson, Az * 85749-9399 * 817-383-0000

From DDOBBINS@aol.com Tue Apr 25 13:19:26 1995
Received: from mail02.mail.aol.com (mail02.mail.aol.com [152.163.172.66]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id NAA00461 for
<aprssig@tapr.org>; Tue, 25 Apr 1995 13:19:21 -0500
From: DDOBBINS@aol.com
Received: by mail02.mail.aol.com
(1.37.109.11/16.2) id AA285593960; Tue, 25 Apr 1995 14:19:20 -0400
Date: Tue, 25 Apr 1995 14:19:20 -0400
Message-Id: <950425141749_95773882@aol.com>
To: aprssig@tapr.org
Subject: Help ULT II-APRS 68a WX probs

Still having problems getting APRS to read the rain gauge. Had a nice
rainfall last night, and the ULT II is displaying .4 this a.m. However, I did
not see any report via APRS, and checking the saved HST log, no rain was
reported. Setup is OK, or so it seems. Is anybody else having similar probs?
Aloha, Dave.

From mchale@zk3.dec.com Tue Apr 25 14:58:47 1995
Received: from decvax.dec.com (decvax.zk3.dec.com [16.140.0.3]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id OAA01097 for
<aprssig@tapr.org>; Tue, 25 Apr 1995 14:58:42 -0500
From: mchale@zk3.dec.com
Received: from abelia.zk3.dec.com by decvax.dec.com (5.65/DEC-ULTRIX-8/19/92)
id AA10499; Tue, 25 Apr 1995 15:58:29 -0400
Received: from quarry.zk3.dec.com by wasted.zk3.dec.com;
(5.65v3.0/1.1.8.2/18Feb95-1123AM)
id AA00515; Tue, 25 Apr 1995 15:58:26 -0400
Received: from nm1w.zk3.dec.com by quarry.zk3.dec.com;
(5.65/1.1.8.2/13Feb95-0113PM)
id AA11278; Tue, 25 Apr 1995 15:58:25 -0400
Received: from localhost by nm1w.zk3.dec.com; (5.65/1.1.8.2/14Apr94-0927AM)
id AA00436; Tue, 25 Apr 1995 15:58:15 -0400
Message-Id: <9504251958.AA00436@nm1w.zk3.dec.com>
To: aprssig@tapr.org
Date: Tue, 25 Apr 95 15:58:14 -0400
X-Mts: smtp

Subject: detailed MAPS from the U.S. Bureau of the Census

I dont recall seeing anyone mention this as yet another source of
maps, but apparently the gov't is providing street level maps for
free; from the web page:

"Welcome to the home page for the TIGER Map Service, a project
sponsored by the U.S. Bureau of the Census. The goal of this service

is to provide a public resource for generating high-quality, detailed maps of anywhere in the United States, using public geographic data."

Available from <http://tiger.census.gov/>

the maps look pretty good...

-jim

```
=====
Jim McHale,NM1W                First Strike Software Inc
    Mac/OSF/Unix consulting      603-329-7885
mchale@fss2.mv.com             Packet: nm1w@wb1dsw.nh.usa.na
=====
```

From ksproul@hardees.Rutgers.EDU Tue Apr 25 15:16:38 1995
Received: from old-hercules.rutgers.edu (old-hercules.rutgers.edu [128.6.18.82])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id PAA01306 for
<aprssig@tapr.org>; Tue, 25 Apr 1995 15:16:34 -0500
Received: (from ksproul@localhost) by old-hercules.rutgers.edu
(8.6.12+bestmx+oldruq+newsunq+grosshack/8.6.12) id QAA01657 for aprssig@tapr.org;
Tue, 25 Apr 1995 16:16:29 -0400
Sender: Keith Sproul <ksproul@old-hercules.rutgers.edu>
Date: Tue, 25 Apr 95 16:16:29 EDT
From: Keith Sproul <ksproul@hardees.Rutgers.EDU>
Reply-To: Keith Sproul <ksproul@hardees.Rutgers.EDU>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:932]
In-Reply-To: Your message of Tue, 25 Apr 1995 15:10:32 -0500
Message-ID: <CMM-RU.1.4.798840989.ksproul@old-hercules.rutgers.edu>

RE: Tiger Maps

The program I announced a few days ago, MacMapMaker, will be able to import TIGER data and output this to PC APRS map files..

I already have the TIGER documentation and am already working on this...

Even though this program runs on the Mac, it will benefit the PC people quite a bit because it will be able to create AND edit all of the maps that the APRS people have been wanting..

Keith Sproul

```
Keith Sproul                Ham Radio: WU2Z
Student Housing Network Coordinator  ksproul@noc.rutgers.edu
Rutgers University Computing Services  908 445-3695 Work
http://www-ns.rutgers.edu/~ksproul/    908 821-4828 Home
From dhenders@InterServ.Com Tue Apr 25 16:01:40 1995
```

Received: from InterServ.Com (troi.interserv.net [165.121.1.68]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id QAA01719 for <aprssig@tapr.org>; Tue, 25 Apr 1995 16:01:37 -0500
From: dhenders@InterServ.Com
Received: from 204.120.34.241 ([204.120.34.241]) by InterServ.Com (4.1/SMI-4.1) id AA02535; Tue, 25 Apr 95 14:00:05 PDT
Date: Tue, 25 Apr 95 14:00:04 PDT
Message-Id: <9504252100.AA02535@ InterServ.Com>
Subject: Re: [APRSSIG:931] Help ULT II-APRS 68a WX probs
To: aprssig@tapr.org
X-Mailer: AIR Mail 3.X (SPRY, Inc.)

<---- Begin Included Message ---->

From: DDOBBINS@aol.com

Still having problems getting APRS to read the rain gauge.
Had a nice
rainfall last night, and the ULT II is displaying .4 this
a.m. However, I did
not see any report via APRS, and checking the saved HST
log, no rain was
reported. Setup is OK, or so it seems. Is anybody else
having similar probs?
Aloha, Dave.

<---- End Included Message ---->

Thanks for your comments on the Garmin unit.

N3HPR had this same problem here in Erie. The fix was to
bring up APRS without config file and answer all the
initialization questions from the beginning making sure
not to miss the one on the rain gauge. Missing it by
hitting a return apparently will not allow the info to
pass to APRS. Try it and let us know.

73, Dave, N3EOY

From janderson@ram.net Wed Apr 26 16:24:48 1995
Received: from ram.net (ram.net [199.97.216.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id QAA01153 for <aprssig@tapr.org>; Wed, 26 Apr 1995 16:24:42 -0500
Received: by ram.net (5.65/1.3-eef) id AA17330; Wed, 26 Apr 95 17:25:04 -0400
From: janderson@ram.net (Jack Anderson)
To: aprssig@tapr.org
Subject: Re: [APRSSIG:902] APRS & Skywarn criticism-help!
Date: Wed, 26 Apr 95 17:21:24 GMT
Message-Id: <15021591.0b69@ram.net>
Version: RAMail 2.8n
Location: ANNANDALE-PARLIAMENT (280) ANNANDALE, VA

>>Bill, I guess I can't understand how a "BEACON" of information sending thru
>>digis or nodes are going to work. You will not have any idea whether any
>>station received the information or not as there is no acknowledgements.
>>However, if you set up a BBS to forward the info into the ESDA coordinators
>>personal mailboxes, you would know that they were received. Dont send
>>the info to any BBSs, just forward it directly to the ESDA people.

One problem you might run into when presenting APRS is that sometimes, terms are used that many people associate with poor operating practices. Examples of this are the terms "beaconing" and "digipeating". It probably works best to think of an APRS network as an "unconnected network", since we've been conditioned to think of "beacons" as evil and detrimental to a packet channel. For the most part, no AX.25 connections are ever made in an APRS net. Position information is sent using a broadcast mode, where every station's information is updated periodically. The same is true for stations sending weather information, whether manually entered or sent automatically from a station equipped with a weather station. Although this information is not acknowledged, it is updated continually and checking to see when the last transmission was received is a very simple manner. My own experience is that this mode of operation is very reliable in areas with sufficient RF coverage.

Messages can be sent from one station to another when it is necessary to communicate with only one station on the net. These messages are automatically acknowledged upon successful receipt at the receiving station, so there is never any doubt as to whether or not the message was delivered. These messages are also sent in an unconnected mode, so APRS can remain active during these communications. I have found these messages to be extremely reliable and fast, and are in fact much easier to send than generating a BBS type message on a PBBS. There is no need to set up a connection to a remote mailbox through a node or nodes. The message gets to its destination a lot faster.

>>You are sold on APRS but trying to start another network strictly dedicated
>>APRS is not what most folks are interested in, they still are trying to bui
>>the backbone up. Down this way, the preferred type of operation would be
>>to take all forwarding off of 5.01 not start up another network of APRS
>>stations. All of this for the one bad month a year of weather, doesn't mak
>>sense to me. The NWS can come right down the backbone, connect directly to
>>nodes and right into the ESDA coordinator's mailboxes and leave the info,
>>not hope that there stations see the beacon of information that would not
>>be ack'ed back.

Using APRS does not preclude the possibility of establishing direct connections and leaving messages in mailboxes. All of that can continue. In addition, the NWS and ESDA users would be able to see real-time map displays with graphic and text representations of weather conditions throughout the area. It adds value to what they are currently doing (or want to do).

APRS has a lot of public service applications that go way beyond weather reporting. My area has a mature network and good WIDE digipeater structure, and it is possible to see many stations on the map on any given day. There are a number of public service events that occur here where APRS is used to track the position of vital assets during the events.

APRS "sells itself" when you demo it in an area that has a mature network and at least one good digipeater. You might want to explore the possibility of getting a WIDE digipeater up in a good location, where hopefully it can hear other WIDES and cover the area that you are interested in serving. Then, pass the software out to as many packet users as you can get interested in and see if interest develops. I first looked at APRS when it first came out, someone uploaded it to my landline BBS and I decided to check it out. At the time, there was very little activity, so after a week or so, it was DEL C:\APRS*.*. A few months ago I decided to try it again and have had a dedicated APRS station on line ever since. There is a great deal of activity here and it is frequently possible to see stations from as far north as NY and CT at my QTH near Washington, DC. When I show this to other hams, many are very interested and at least give it a try. Not everyone has a computer to dedicate to it, but at least they fire it up and from time to time, get back on to see what's happening.

>>I will see if anyone is interested in attending on the 30th
>>but it sounds like there will be NO discussion on what's the best, it sound
>>like it has already been decided.
>You know, your first message to me about
>this APRS and 5.79 was just last week, up until then NO one had discussed
>this with ANY downstate ESDA coordinators in Hancock or Warren county, now
>all of a sudden it is said we not only need nodes, but they have to be on
>5.79....Lots of equipment on 5.79 just for the weather? HMMMMMMMMMMMM.

Again, I think he needs to see a good APRS net in action to really appreciate what the possibilities are for WX, public service and just plain fun. He has some good points but many would be addressed if he had a chance to play with it and try to do some of the things he wants to do. It's hard to tell, but it sounds like the WX net they are using, or want to use, will rely on connecting to remote maildrops through nodes to leave messages. They can continue to do this, but with the APRS point to point messaging capabilities they will find it much faster to send short messages directly from APRS than node-hopping and connecting to maildrops.

73
Jack

From rwf@mindspring.com Wed Apr 26 17:11:53 1995
Received: from dylan.mindspring.com (dylan.mindspring.com [204.180.128.4]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id RAA01351 for <aprssig@tapr.org>; Wed, 26 Apr 1995 17:11:48 -0500
Received: from rwf.mindspring.com [168.121.44.154] by dylan.mindspring.com with SMTP id SAA20711 for <aprssig@tapr.org>; Wed, 26 Apr 1995 18:11:32 -0400
Message-Id: <199504262211.SAA20711@dylan.mindspring.com>
X-Sender: rwf@mindspring.com
X-Mailer: Windows Eudora Version 1.4.4
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Wed, 26 Apr 1995 18:16:00 -0500
To: aprssig@tapr.org
From: rwf@mindspring.com (rwf)

Subject: Re: A screen problem

When using APRS on a frequency that has a lot of AX.25 activity, my map screen scrolls up and off as other channel activity appears on the bottom. As a matter of fact, I hardly ever see the status line at all. I am using 68a and don't really remember this happening before on my older version (62, I think).

I was on a 6 month hiatus from APRS due to having no machine for portable use. Have I forgotten something? Or is there something on the freq that is interfering with the good display of data?

See Y'all at Dayton.

Ralph Fowler
Atlanta, GA
N4NEQ

From bruninga@greatlakes.nadn.navy.mil Wed Apr 26 20:23:44 1995
Received: from greatlakes.nadn.navy.mil (greatlakes.nadn.navy.mil [131.121.9.4])
by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id UAA02225 for
<aprssig@tapr.org>; Wed, 26 Apr 1995 20:23:40 -0500
Received: by greatlakes.nadn.navy.mil (4.1/SMI-4.1)
id AA26612; Wed, 26 Apr 95 21:22:48 EDT
Date: Wed, 26 Apr 1995 21:22:48 -0400 (EDT)
From: Robert Bruninga <bruninga@greatlakes.nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:936] Re: A screen problem
In-Reply-To: <199504262211.SAA20711@dylan.mindspring.com>
Message-Id: <Pine.SUN.3.91.950426211947.26563C-100000@greatlakes.nadn.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 26 Apr 1995, rwf wrote:

> When using APRS on a frequency that has a lot of AX.25 activity, my map
> screen scrolls up and off as other channel activity appears on the bottom.

APR REPLY: The problem is NODE or level 4 traffic. APRS cannot filter it out but your TNC can. Use BUDLIST to suppress packets from certain addresses such as NODES and BBS's. Also some TNC's have the ability to turn off the monitoring of level 4 traffic all together.. Gud Luk!

From N9VJQ@aol.com Wed Apr 26 20:38:16 1995
Received: from mail02.mail.aol.com (mail02.mail.aol.com [152.163.172.66]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id UAA02308 for
<aprssig@tapr.org>; Wed, 26 Apr 1995 20:38:11 -0500
From: N9VJQ@aol.com
Received: by mail02.mail.aol.com
(1.37.109.11/16.2) id AA197196686; Wed, 26 Apr 1995 21:38:07 -0400
Date: Wed, 26 Apr 1995 21:38:07 -0400
Message-Id: <950426203617_97567126@aol.com>

To: aprssig@tapr.org
Subject: Graphics Screen Print

For those who are trying to tell fellow hams and others what APRS looks like, try this:

If you've got a recent version of DOS (I have 6.22), include the DOS command "Graphics" in the APRS bat file, before the "APRSxxx" command. Then, when you see something interesting on the screen that you've gotta show somebody, do a "Screen Print".

My 9 pin dot matrix on IBM Proprinter II emulation does a fairly decent job of showing what I can't verbally describe.

73's Barry
N9VJQ@WB9SLE.IL.USA.NOAM
n9vjq@aol.com

From DDOBBINS@aol.com Wed Apr 26 21:36:20 1995
Received: from mail02.mail.aol.com (mail02.mail.aol.com [152.163.172.66]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id VAA02601 for <aprssig@tapr.org>; Wed, 26 Apr 1995 21:36:16 -0500
From: DDOBBINS@aol.com
Received: by mail02.mail.aol.com
(1.37.109.11/16.2) id AA077460166; Wed, 26 Apr 1995 22:36:07 -0400
Date: Wed, 26 Apr 1995 22:36:07 -0400
Message-Id: <950426212751_97641046@aol.com>
To: aprssig@tapr.org
Subject: For Keith, WU2Z

Keith, I've heard about aprsm map making in a separate program. Would like to know more, incl where I can get it. I've got the 1:100,000 CDRom maps for HI in optional format, and having not much luck building maps in the DOS environment, due to mapfixer68 locking up. Alot of work, much easier if I had a digitizer, and perhaps that's next. 1.4.2 working well now, thanks for you help. Wish I could join you in Dayton this weekend. Have fun, perhaps you'll see my HF beacons from Hawaii. Aloha, Dave.

From ses@rfpo2.rfc.comm.harris.com Thu Apr 27 07:34:49 1995
Received: from adm01.rfc.comm.harris.com (rfc.comm.harris.com [147.177.128.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id HAA06446 for <aprssig@tapr.org>; Thu, 27 Apr 1995 07:34:44 -0500
Received: from postoffice.rfc.comm.harris.com (postoffice.rfc.comm.harris.com [147.177.0.1]) by adm01.rfc.comm.harris.com (8.6.12/8.6.9) with SMTP id IAA18376 for <aprssig@tapr.org>; Wed, 26 Apr 1995 08:26:15 -0400
Received: by postoffice.rfc.comm.harris.com (5.65/DEC-Ultrix/4.3)
id AA20009; Wed, 26 Apr 1995 08:26:14 -0400
Received: by smtpgate.rfc.comm.harris.com with Microsoft Mail
id <2F9E3BC5@smtpgate.rfc.comm.harris.com>; Wed, 26 Apr 95 08:25:41 DST
From: "Sykes, Stephan E" <ses@rfpo2.rfc.comm.harris.com>
To: Bob Brininga <aprssig@tapr.org>
Subject: Registration
Date: Thu, 27 Apr 95 08:25:00 DST
Message-Id: <2F9E3BC5@smtpgate.rfc.comm.harris.com>

Encoding: 8 TEXT
X-Mailer: Microsoft Mail V3.0

Hello Bob,

I have mailed in a check for APRS registration with GPS. Could you please send me the registration numbers by email? If not, I understand.

The mail is quite slow here.

Thank you.

Steve Sykes KD2OM

From bob.baltz@ustc.vlsi.COM Thu Apr 27 08:05:06 1995

Received: from peanuts.vlsi.com (peanuts.vlsi.com [134.27.2.21]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id IAA06675 for <aprssig@tapr.org>; Thu, 27 Apr 1995 08:05:00 -0500

Received: from ustc.vlsi.COM by peanuts.vlsi.com (8.6.9/SMI4.1-UCB8.6.9/Perlotto-DeLong-080394)

id GAA18838; Thu, 27 Apr 1995 06:04:30 -0700

Received: from oriole.ustc.vlsi.COM by ustc.vlsi.COM (4.1/SJTC-MAILHOST-3.1)

id AA24519; Thu, 27 Apr 95 06:04:44 PDT

Organization: VLSI Technology - US Technology Centers

Received: from [134.27.5.201] by oriole.ustc.vlsi.COM (4.1/SMI-4.1)

id AA20130; Thu, 27 Apr 95 09:01:27 EDT

Message-Id: <9504271301.AA20130@oriole.ustc.vlsi.COM>

X-Sender: bobb@oriole.ustc.vlsi.com

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Thu, 27 Apr 1995 09:04:56 +0000

To: aprssig@tapr.org

From: bob.baltz@ustc.vlsi.COM (Bob Baltz)

Subject: Re: [APRSSIG:935] Re: APRS & Skywarn criticism-help!

Just have to add a note here. I participated in an ARES/RACES drill two years ago and brought along my APRS mobile set up with GPS. All comm was to be on 2 MTR FM simplex using portable (emergency) equipment. No repeaters or fixed antennas. Comms were poor at best due to the distances between sites. I reverted to The APRS message system (back then there were only a few people on here) and with the network in place was able to provide more reliable comms than any other site. This system with the coordination and many relay sites is ideal especially for emergency comms.

Bob

>>>Bill, I guess I can't understand how a "BEACON" of information sending thru >>>digis or nodes are going to work. You will not have any idea whether any >>>station received the information or not as there is no acknowledgements. >>>However, if you set up a BBS to forward the info into the ESDA coordinators >>>personal mailboxes, you would know that they were received. Dont send >>>the info to any BBSs, just forward it directly to the ESDA people.

>

>One problem you might run into when presenting APRS is that sometimes, terms >are used that many people associate with poor operating practices. Examples >of this are the terms "beaconing" and "digipeating". It probably works best

>to think of an APRS network as an "unconnected network", since we've been
>conditioned to think of "beacons" as evil and detrimental to a packet
>channel. For the most part, no AX.25 connections are ever made in an APRS
>net. Position information is sent using a broadcast mode, where every
>station's information is updated periodically. The same is true for stations
>sending weather information, whether manually entered or sent automatically
>from a station equipped with a weather station. Although this information is
>not acknowledged, it is updated continually and checking to see when the last
>transmission was received is a very simple manner. My own experience is that
>this mode of operation is very reliable in areas with sufficient RF coverage.

>

>Messages can be sent from one station to another when it is necessary to
>communicate with only one station on the net. These messages are
>automatically acknowledged upon successful receipt at the receiving station,
>so there is never any doubt as to whether or not the message was delivered.
>These messages are also sent in an unconnected mode, so APRS can remain
>active during these communications. I have found these messages to be
>extremely reliable and fast, and are in fact much easier to send than
>generating a BBS type message on a PBBS. There is no need to set up a
>connection to a remote mailbox through a node or nodes. The message gets
>to its destination a lot faster.

>

>>>You are sold on APRS but trying to start another network strictly dedicated
>>>APRS is not what most folks are interested in, they still are trying to bui
>>>the backbone up. Down this way, the preferred type of operation would be
>>>to take all forwarding off of 5.01 not start up another network of APRS
>>>stations. All of this for the one bad month a year of weather, doesn't mak
>>>sense to me. The NWS can come right down the backbone, connect directly to
>>>nodes and right into the ESDA coordinator's mailboxes and leave the info,
>>>not hope that there stations see the beacon of information that would not
>>>be ack'ed back.

>

>Using APRS does not preclude the possibility of establishing direct
>connections and leaving messages in mailboxes. All of that can continue. In
>addition, the NWS and ESDA users would be able to see real-time map displays
>with graphic and text representations of weather conditions throughout the
>area. It adds value to what they are currently doing (or want to do).

>

>APRS has a lot of public service applications that go way beyond weather
>reporting. My area has a mature network and good WIDE digipeater structure,
>and it is possible to see many stations on the map on any given day. There
>are a number of public service events that occur here where APRS is used to
>track the position of vital assets during the events.

>

>APRS "sells itself" when you demo it in an area that has a mature
>network and at least one good digipeater. You might want to explore the
>possibility of getting a WIDE digipeater up in a good location, where
>hopefully it can hear other WIDES and cover the area that you are interested
>in serving. Then, pass the software out to as many packet users as you can
>get interested it and see if interest develops. I first looked at APRS when
>it first came out, someone uploaded it to my landline BBS and I decided to
>check it out. At the time, there was very little activity, so after a week
>or so, it was DEL C:\APRS*.*. A few months ago I decided to try it again

>and have had a dedicated APRS station on line ever since. There is a great
>deal of activity here and it is frequently possible to see stations from as
>far north as NY and CT at my QTH near Washington, DC. When I show this to
>other hams, many are very interested and at least give it a try. Not
>everyone has a computer to dedicate to it, but at least they fire it up and
>from time to time, get back on to see what's happening.
>
>>>I will see if anyone is interested in attending on the 30th
>>>but it sounds like there will be NO discussion on what's the best, it sound
>>>like it has already been decided.
>>You know, your first message to me about
>>this APRS and 5.79 was just last week, up until then NO one had discussed
>>this with ANY downstate ESDA coordinators in Hancock or Warren county, now
>>all of a sudden it is said we not only need nodes, but they have to be on
>>5.79....Lots of equipment on 5.79 just for the weather? HMMMMMMMMMMMM.
>
>Again, I think he needs to see a good APRS net in action to really appreciate
>what the possibilities are for WX, public service and just plain fun. He has
>some good points but many would be addressed if he had a chance to play with
>it and try to do some of the things he wants to do. It's hard to tell, but
>it sounds like the WX net they are using, or want to use, will rely on
>connecting to remote maildrops through nodes to leave messages. They can
>continue to do this, but with the APRS point to point messaging capabilities
>they will find it much faster to send short messages directly from APRS than
>node-hopping and connecting to maildrops.
>
>73
>Jack

Bob Baltz	*
Chesapeake Region Sales	*
Ph:(410) 987- 8777	*
Fax: (410) 987-8777	*
E-mail bob.baltz@ustc.vlsi.com	*

From George.Henry@f668.n115.z1.fidonet.org Thu Apr 27 12:50:42 1995
Received: from kitten.mcs.com (Kitten.mcs.com [192.160.127.90]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id MAA00143 for
<aprssig@tapr.org>; Thu, 27 Apr 1995 12:50:38 -0500
Received: from mailbox.mcs.com (Mailbox.mcs.com [192.160.127.87]) by
kitten.mcs.com (8.6.10/8.6.9) with SMTP id MAA23467 for <aprssig@tapr.org>; Thu,
27 Apr 1995 12:50:36 -0500
Received: by mailbox.mcs.com (/\/==/\ Smail3.1.28.1 #28.5)
id <m0s4Xd7-000juUC@mailbox.mcs.com>; Thu, 27 Apr 95 12:45 CDT
Received: by chigate.fidonet.org (0.99.950303)
id AA02130; 27 Apr 95 11:30:25 -0600
From: George.Henry@f668.n115.z1.fidonet.org (George Henry)
Date: 27 Apr 95 08:18:54 -0600
Subject: Motorola GPS receivers (used)
Message-ID: <055_9504271130@chigate.fidonet.org>
Organization: Chicago Internet <-> Fidonet Gateway [@chigate.fidonet.org]
To: aprssig@tapr.org

A local ham has come across a number of used Motorola 6-channel GPS receivers - perfect for standalone APRS tracking use! NMEA output (programmable, I think)

Tested, with direct-mount antenna and cable, hookup instructions. (NOTE: these are NOT handheld display-type units!) I'll have more details in a day or two when >>> I <<< get my hands on one!

He's asking \$150.00 plus \$5.00 shipping, at least 10 are available.

Direct inquiries to 73227.2220@compuserve.com (the guy that has 'em), or to me by e-mail (NOT thru the SIG, please...)

73 de KA3HSW

The KA3HSW Ham BBS - your APRS source in the Chicagoland Far West Suburbs!

From hurlockw@netaxis.com Thu Apr 27 13:17:41 1995

Received: from netaxis.com (eliza.netaxis.com [198.69.103.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id NAA00326 for <aprssig@tapr.org>; Thu, 27 Apr 1995 13:17:39 -0500

Received: from mail.netaxis.com (eliza.netaxis.com) by netaxis.com (5.0/SMI-SVR4) id AA29810; Thu, 27 Apr 1995 14:21:05 -0400

Message-Id: <9504271821.AA29810@netaxis.com>

X-Sender: hurlockw@netaxis.com

X-Mailer: Windows Eudora Version 1.4.4

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Thu, 27 Apr 1995 14:19:15 -0400

To: aprssig@tapr.org

From: hurlockw@netaxis.com (Bill Hurlock)

Subject: What happened to the SIG????

content-length: 269

What happened to the SIG?????? I haven't seen mail in it for over 4 days. Do I need to reapply??????

Bill Hurlock

//-----
hurlockw@netaxis.com
wa2tqi.ampr.org 41.08.33N 73.23.51W
grid square FN31jd

From jgarrett@world.std.com Thu Apr 27 15:27:39 1995

Received: from europe.std.com (europe.std.com [192.74.137.10]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTMP id PAA00720 for <aprssig@tapr.org>; Thu, 27 Apr 1995 15:27:36 -0500

Received: from world.std.com by europe.std.com (8.6.12/Spike-8-1.0) id QAA29879; Thu, 27 Apr 1995 16:27:32 -0400

Received: by world.std.com (5.65c/Spike-2.0)

id AA25017; Thu, 27 Apr 1995 16:27:31 -0400

To: aprssig@tapr.org
From: jgarrett@world.std.com (John Garrett)
Subject: Re: [APRSSIG:936] Re: A screen problem
Date: Wed, 26 Apr 1995 23:37:04 -0400
Message-Id: <W5ndlmPA4crS065yn@World.std.com>
In-Reply-To: <199504262211.SAA20711@dylan.mindspring.com>
Lines: 19

" When using APRS on a frequency that has a lot of AX.25 activity, my map
" screen scrolls up and off as other channel activity appears on the bottom.
" As a matter of fact, I hardly ever see the status line at all. I am using
" 68a and don't really remember this happening before on my older version
" (62, I think).
"
" I was on a 6 month hiatus from APRS due to having no machine for portable
" use. Have I forgotten something? Or is there something on the freq that is
" interfering with the good display of data?

Yeah, its called TCP/IP. That's what wipes out screens around here in
Boston. We have a couple of BBSes on the frequency we use for APRS
[145.77, but may be qsyng to .79!] and they have TCP gateways. When I
see control characters in the channel activity window, the map zooms in,
or disappears, etc. Its either that or the mail forwarding these 2
BBSes are doing on 2m at 1200 baud. I think there's control characters
in that stuff too. Check it out.

John

From gerry@cs.tamu.edu Thu Apr 27 22:13:23 1995
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id WAA02114 for
<aprssig@tapr.org>; Thu, 27 Apr 1995 22:13:20 -0500
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by
cs.tamu.edu (8.6.10/8.6.4) with ESMTP id WAA06016 for <aprssig@tapr.org>; Thu, 27
Apr 1995 22:13:19 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id WAA07845 for
aprssig@tapr.org; Thu, 27 Apr 1995 22:13:14 -0500
Message-Id: <199504280313.WAA07845@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:944] Re: A screen problem
To: aprssig@tapr.org
Date: Thu, 27 Apr 1995 22:13:14 -0500 (CDT)
In-Reply-To: <W5ndlmPA4crS065yn@World.std.com> from "John Garrett" at Apr 27, 95
03:41:10 pm
X-Mailer: ELM [version 2.4 PL23]
Content-Type: text
Content-Length: 1370

John Garrett sez:

>

> Yeah, its called TCP/IP. That's what wipes out screens around here in

Awright,

lay off TCP/IP. For real good reasons, it shouldn't be on the same channels as ax.25 basic traffic. Thats another hard lesson for folks to learn, and a number of BBS folks haven't learned it. But, in real terms, it should have no effect on either APRS *OR* on your normal ax.25 traffic. IP merely makes packet a little more useful for the BBS-type operations a lot of folks want to do: Mail, file transfers, news, etc. And, since it really IS within the scopes of a standard, it's got some advantages to some of the other forms of packet "applications" out there.

If you're seeing control characters out there, and it's from an IP station, talk to them and see if there's a move to get a "homeland" for IP. It'll improve their life immeasurably. Oh, and if you think a few blanked screens is bad, IP can run well beyond the limit of most digipeaters as far as packet length. This tends to leave digi's locked up and gasping for breath, while the IP stations continue to hum along just fine.

Basically, for simplicity, IP and BBS activity should not co-exist. Nor should, in my opinion, APRS and other activities. If we really need the APRS functionality, we do NOT need to wait for the local BBS to forward 200 kb of mail to the next BBS...

73, gerry

From kc5ejk@onramp.net Fri Apr 28 00:07:42 1995

Received: from ns.onramp.net (ns.onramp.net [199.1.11.2]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id AAA03544 for <aprssig@tapr.org>; Fri, 28 Apr 1995 00:07:39 -0500

Received: from [199.1.11.107] (dal07.onramp.net [199.1.11.107]) by ns.onramp.net (8.6.5/8.6.5) with SMTP id AAA26274 for <aprssig@tapr.org>; Fri, 28 Apr 1995 00:07:31 -0500

Message-Id: <v01510100abc628910809@[199.1.11.154]>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Fri, 28 Apr 1995 00:08:15 -0500

To: aprssig@tapr.org

From: kc5ejk@onramp.net (Robert Winingham)

Subject: Re: [APRSSIG:943] What happened to the SIG????

>What happened to the SIG??????? I haven't seen mail in it for over 4 days. Do

>I need to reapply???????

>

>Bill Hurlock

>//-----

>hurlockw@netaxis.com

>wa2tqi.ampr.org 41.08.33N 73.23.51W

>grid square FN31jd

I might be a good Idea, I have to last month.

Bob KC5EJK Dallas

From cll4@Ra.MsState.Edu Fri Apr 28 00:12:15 1995

Received: from Tut.MsState.Edu (Tut.MsState.Edu [130.18.80.36]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id AAA03568 for <aprssig@tapr.org>; Fri, 28 Apr 1995 00:12:07 -0500
Received: from Ra.MsState.Edu (c1l4@Ra.MsState.Edu [130.18.80.10]); by Tut.MsState.Edu using SMTP (8.6.12/6.5m-FWP); id AAA26251; Fri, 28 Apr 1995 00:12:06 -0500
Received: (c1l4@localhost); by Ra.MsState.Edu (8.6.12/6.0c-FWP); id AAA14125; Fri, 28 Apr 1995 00:12:04 -0500
Date: Fri, 28 Apr 1995 00:12:04 -0500 (CDT)
From: "Craig L. Lindsey" <c1l4@Ra.MsState.Edu>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:945] Re: A screen problem
In-Reply-To: <199504280313.WAA07845@solar.cs.tamu.edu>
Message-ID: <Pine.SUN.3.91.950428000936.13820A-1000000@Ra.MsState.Edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 27 Apr 1995, Gerald J Creager wrote:

> John Garrett sez:
> >
> > Yeah, its called TCP/IP. That's what wipes out screens around here in
>
> If you're seeing control characters out there, and it's from an IP station,
> talk to them and see if there's a move to get a "homeland" for IP. It'll

I have noticed the same problem in my area..control characters messing up the screen, etc. I watched it for a minute, and it was DEFINITELY bbs forwarding in my case. These are ax.25 msys bbs's, and using compressed forwarding. The compressed mail has all kinds of control codes in it. I have the TNC filter the calls out with my lcalls list. I am willing to bet that is what is happening in your case, as well.

73,
Craig

Craig Lindsey - KC5AUG | My politics are simple: Always go right. If Internet: c1l4@ra.msstate.edu| you go left, you can never go right, and if Office Phone : (601)325-8553 | you go right, you never go wrong. -Grizzard
WWW page: <http://www2.msstate.edu/~c1l4/>
Finger c1l4@ra.msstate.edu for PGP public key.

From hg@penny.n2wx.ampr.org Fri Apr 28 07:54:56 1995
Received: from bbs.mpcs.com (bbs.mpcs.com [198.69.107.209]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id HAA04620 for <aprssig@tapr.org>; Fri, 28 Apr 1995 07:54:50 -0500
Received: by bbs.mpcs.com (Smail3.1.28.1 #52) id m0s4pUg-0007ROC; Fri, 28 Apr 95 08:50 EDT
Received: (from hg@localhost) by n2wx.ampr.org (8.6.9/8.6.9) id WAA00089; Thu, 27 Apr 1995 22:28:57 -0500
Date: Thu, 27 Apr 1995 22:28:56 -0500 (EST)

From: Howard Goldstein <hg@penny.n2wx.ampr.org>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:944] Re: A screen problem
In-Reply-To: <W5ndlmPA4crS065yn@World.std.com>
Message-ID: <Pine.LNX.3.91.950427222754.79B-100000@n2wx.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 27 Apr 1995, John Garrett wrote:

> " When using APRS on a frequency that has a lot of AX.25 activity, my map
> " screen scrolls up and off as other channel activity appears on the bottom.
> " As a matter of fact, I hardly ever see the status line at all. I am using
> " 68a and don't really remember this happening before on my older version
> " (62, I think).
> "
> " I was on a 6 month hiatus from APRS due to having no machine for portable
> " use. Have I forgotten something? Or is there something on the freq that is
> " interfering with the good display of data?
>
> Yeah, its called TCP/IP. That's what wipes out screens around here in
> Boston. We have a couple of BBSes on the frequency we use for APRS
> [145.77, but may be qsyng to .79!] and they have TCP gateways. When I
> see control characters in the channel activity window, the map zooms in,
> or disappears, etc. Its either that or the mail forwarding these 2
> BBSes are doing on 2m at 1200 baud. I think there's control characters
> in that stuff too. Check it out.
>

If you have a TNC-2 or clone, cure the problem by setting MNONPRIN
and/or MNONAX25 to OFF. That should solve the problem.

Howie

--

Howard Goldstein
N2WX

hg@n2wx.ampr.org
<http://www.tapr.org/~n2wx/>

From DDOBBINS@aol.com Sat Apr 29 05:02:38 1995
Received: from mail06.mail.aol.com (mail06.mail.aol.com [152.163.172.108]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id FAA11773 for
<aprssig@tapr.org>; Sat, 29 Apr 1995 05:02:35 -0500
From: DDOBBINS@aol.com
Received: by mail06.mail.aol.com
(1.37.109.11/16.2) id AA244039754; Sat, 29 Apr 1995 06:02:34 -0400
Date: Sat, 29 Apr 1995 06:02:34 -0400
Message-Id: <950429060232_100515023@aol.com>
To: aprssig@tapr.org
Subject: Where are APRSM files FTP?

OK, one more time. Where can I find the Macintosh APRS files via FTP. Thought
it was at UCSD.EDU, but could not locate them. A little help, PLEASE. Mahalo,
Aloha, Dave, WH6YC in Hawaii.

From wnolle@fly.HiWAAAY.net Sat Apr 29 06:23:25 1995
 Received: from tiny.sprintlink.net (tiny.sprintlink.net [199.0.55.90]) by
 dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id GAA11898 for
 <aprssig@tapr.org>; Sat, 29 Apr 1995 06:23:22 -0500
 From: wnolle@fly.HiWAAAY.net
 Received: from fly.HiWAAAY.net (fly.HiWAAAY.net [204.214.4.2]) by
 tiny.sprintlink.net (8.6.9/8.6.9) with SMTP id HAA14245 for <aprssig@tapr.org>;
 Sat, 29 Apr 1995 07:23:21 -0400
 Received: from hosts-131.HiWAAAY.net by fly.HiWAAAY.net;
 (5.65/1.1.8.2/03Mar95-1246PM)
 id AA07998; Sat, 29 Apr 1995 06:23:49 -0500
 Message-Id: <Chameleon.950429062016.wnolle@wnolle.HiWAAAY.net>
 Date: Sat, 29 Apr 95 06:06:08 CDT
 Reply-To: wnolle@fly.HiWAAAY.net
 To: aprssig@tapr.org
 Subject: Someone help

I would sure like some help in explaining the Unproto path.
 We are now getting astablished after a long hard battle and
 a very long time trying to recruit users. Now we are to a point
 where we have 4 digi's up and running and all i see from the
 "D" list is Call,WIDE,WIDE. There is no clear documentation
 on realy the best path to use to get the best performance.
 I talked to one of the main digi owners, who potentially could
 be the key to APRS working Great or not at all!. This person
 stated that it doesn't matter if digi's overlap and can run
 as much power as they want, he said he has been in packet for
 many, many years and that all ax25 protocalls are alike. Of
 course i know that's not the case and that you can't handle
 APRS like a BBS. I sure would like one of the Guru's on here
 explain what realy is THE BEST Unproto to use for all involved.
 I understand that the prime digi's should use WIDE,WIDE (I guess).
 But how about the rest of the users that direct there messages
 to these digi's. Sure hope someone can make this a little clearer
 then the documentation file within APRS. By the way one of the
 digi's overlaps another by 50 percent!. Sure like some help with
 this before it gets out of hand. We have a demo coming up that
 could potentially make us grow or bust. thank you in advance.

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|        APRS 145.790Mhz              |
|      3458'34N-08629'53W            |
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From klarson@access.digex.net Sat Apr 29 07:22:26 1995
 Received: from access5.digex.net (access5.digex.net [164.109.10.8]) by
 dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id HAA12038 for
 <aprssig@tapr.org>; Sat, 29 Apr 1995 07:22:23 -0500
 Received: by access5.digex.net id AA19734
 (5.67b8/IDA-1.5 for aprssig@tapr.org); Sat, 29 Apr 1995 08:20:54 -0400
 Date: Sat, 29 Apr 1995 08:20:54 -0400 (EDT)
 From: Kent Larson <klarson@access.digex.net>
 To: aprssig@tapr.org
 Subject: Re: [APRSSIG:950] Someone help
 In-Reply-To: <Chameleon.950429062016.wnolle@wnolle.HiWAAAY.net>
 Message-Id: <Pine.SUN.3.91.950429081911.19263A-100000@access5.digex.net>
 Mime-Version: 1.0
 Content-Type: TEXT/PLAIN; charset=US-ASCII

I'm not an expert but if you can wait long enough for people to get back from Dayton you should have no problem getting a "qualified" reponse.

Good luck!

Kent

On Sat, 29 Apr 1995 wnolle@fly.hiwaay.net wrote:

> I would sure like some help in explaining the Unproto path.
 > We are now getting astablished after a long hard battle and
 > a very long time trying to recruit users. Now we are to a point
 > where we have 4 digi's up and running and all i see from the
 > "D" list is Call,WIDE,WIDE. There is no clear documentation
 > on realy the best path to use to get the best performance.
 > I talked to one of the main digi owners, who potentially could
 > be the key to APRS working Great or not at all!. This person
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 > as much power as they want, he said he has been in packet for
 > many, many years and that all ax25 protocalls are alike. Of
 > course i know that's not the case and that you can't handle
 > APRS like a BBS. I sure would like one of the Guru's on here
 > explain what realy is THE BEST Unproto to use for all involved.
 > I understand that the prime digi's should use WIDE,WIDE (I guess).
 > But how about the rest of the users that direct there messages
 > to these digi's. Sure hope someone can make this a little clearer
 > then the documentation file within APRS. By the way one of the
 > digi's overlaps another by 50 percent!. Sure like some help with
 > this before it gets out of hand. We have a demo coming up that
 > could potentially make us grow or bust. thank you in advance.

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From FredMuller@aol.com Sat Apr 29 10:34:58 1995
 Received: from mail04.mail.aol.com (mail04.mail.aol.com [152.163.172.53]) by
 dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id KAA12651 for
 <aprssig@tapr.org>; Sat, 29 Apr 1995 10:34:55 -0500
 From: FredMuller@aol.com
 Received: by mail04.mail.aol.com
 (1.37.109.11/16.2) id AA207109694; Sat, 29 Apr 1995 11:34:54 -0400
 Date: Sat, 29 Apr 1995 11:34:54 -0400
 Message-Id: <950429113452_100653702@aol.com>
 To: aprssig@tapr.org
 Subject: Re: [APRSSIG:949] Where are APRSM files FTP?

try TCIP-incoming
 Fred-WA6LQL

From W2HOB@aol.com Sat Apr 29 19:34:47 1995
 Received: from mail06.mail.aol.com (mail06.mail.aol.com [152.163.172.108]) by
 dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id TAA14375 for
 <aprssig@tapr.org>; Sat, 29 Apr 1995 19:34:44 -0500
 From: W2HOB@aol.com
 Received: by mail06.mail.aol.com
 (1.37.109.11/16.2) id AA290822083; Sat, 29 Apr 1995 20:34:43 -0400
 Date: Sat, 29 Apr 1995 20:34:43 -0400
 Message-Id: <950429203441_101078318@aol.com>
 To: aprssig@tapr.org
 Subject: NWS Wx Sites

Especially For Bob Bruninga, WB4APR --

With the addition of the special symbol for NWS sites...

They don't display with the "J"ust "W"eather command along with the U-II and
 other wx symbols.
 This may have been in there for a while, but I just noticed it while playing
 with the new NWS sym.

It does work fine when using "J"ust "S"ymbol "W"eather "N"WS.

Otherwise, so far, 6.8b working ok here. Trying to check out all the features
 I can. What might Dayton have done for the codesmith? What did you guys
 fill Bob's head with now... wish I could've been there. Looking forward to a
 new and fun-filled version.

73 de Boyd AR

From BARRETTD@CRPL.CEDAR-RAPIDS.LIB.IA.US Sun Apr 30 11:55:51 1995
Received: from CRPL.CEDAR-RAPIDS.LIB.IA.US (crpl.cedar-rapids.lib.ia.us
[198.134.138.1]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id LAA17793
for <aprssig@tapr.org>; Sun, 30 Apr 1995 11:55:47 -0500
From: BARRETTD@CRPL.CEDAR-RAPIDS.LIB.IA.US
Date: Sun, 30 Apr 1995 11:55:02 -0500 (CDT)
To: aprssig@tapr.org
Message-Id: <950430115502.5f36@CRPL.CEDAR-RAPIDS.LIB.IA.US>
Subject: RE: [APRSSIG:935] Re: APRS & Skywarn criticism-help!

I didn't bother with quotes on this message but the jist is BBS
forwarding of weather info vs. APRS. I think I can sum this up in a nutshell

1 picture is worth a thousand words!!

That pretty well covers it don't you think? I work in city goverment and we are
working with Rockwell in Automativ Vehicle Location in conjuction with sending
vehicle performance data. This involves a study of electric buses with the
help of G.E. and your federal tax contributions which I thank all of you for.
We also are in the process of incorporating AVL with Enhanced 911 for
emergency services. This will include routing software as well. Goverment
puts I high value on the use of graphical representation, as it adds clarity
and fast interpratation to information and reduces human error in those
areas.

Just apply the BBS mailbox analogy to these applications and you can
see the inefficiencies. If my mailbox had vehicle location info and status I
would then get out my map and ruler and the plot that location.

How much better to see the police car flashing red to indicate an
officer is down.

From kheyboer@pinegov.co.pinellas.fl.us Sun Apr 30 14:03:05 1995
Received: from pinegov (pinegov.co.pinellas.fl.us [136.174.202.1]) by
dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id OAA18152 for
<aprssig@tapr.org>; Sun, 30 Apr 1995 14:02:57 -0500
Received: by pinegov (5.0/SMI-SVR4)
id AA00852; Sun, 30 Apr 1995 14:56:07 +0000

Errors-To: root@pinegov.co.pinellas.fl.us
Date: Sun, 30 Apr 1995 14:56:07 +0100 (EDT)
From: Kevin Heyboer <kheyboer@pinegov.co.pinellas.fl.us>
To: "aprssig@tapr.org" <aprssig@tapr.org>
Subject: Bob, now you have gone T00 far!
Message-Id: <Pine.SUN.3.91.950430144910.843A-100000@pinegov>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII
content-length: 0

Well, I just installed version 6.8b in my computer to replace 67b. I set
up all my parameters for the GATE, as usual, and suddenly, this message
keeps flashing at me that I shouldn't be using a digi!.

Thats a bunch of crap! You HAVE TO digi when running a gate, otherwise,
your own signal cannot be seen on VHF...you must reflect back to your own
GATE!

Besides, I DONT LIVE IN MARYLAND....I live in Florida, I have to contend with South American signals plus most of the United States is OUTSIDE THE SKIP ZONE!

So, Bob, I paid you for this thing so how about removing that message, and you can remove that other stupid message about GATE in the VHF path too while your at it.....It drives KAM users nuts because GATE is in the HF path of the two path line required for KAM input!

I have been supporting APRS since nearly the beginning so lets not forget who the end user is...

73 de KD4UYR

From N9VJQ@aol.com Sun Apr 30 19:17:25 1995
Received: from mail02.mail.aol.com (mail02.mail.aol.com [152.163.172.66]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with ESMTP id TAA18907 for <aprssig@tapr.org>; Sun, 30 Apr 1995 19:17:22 -0500
From: N9VJQ@aol.com
Received: by mail02.mail.aol.com
(1.37.109.11/16.2) id AA108117441; Sun, 30 Apr 1995 20:17:21 -0400
Date: Sun, 30 Apr 1995 20:17:21 -0400
Message-Id: <950430201720_101971136@aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:955] Bob, now yo...

On 95-04-30 Kevin Heyboer KD4UYR wrote:

>So, Bob, I paid you for this thing so how about removing that message, and
>you can remove that other stupid message about GATE in the VHF path too
>while your at it.....It drives KAM users nuts because GATE is in the HF path
>of the two path line required for KAM input!

>I have been supporting APRS since nearly the beginning so lets not forget
>who the end user is...

I move that we take up a collection and give the man back his money if he's an unsatisfied customer.. Any seconds?

73 de N9VJQ

barry leonard

From wd6dod@wd6dod.ampr.org Sun Apr 30 19:48:18 1995
Received: from citpac.gps.caltech.edu (citpac.gps.caltech.edu [131.215.57.249]) by dingus.n5lyt.datarace.com (8.6.10/8.6.9) with SMTP id TAA19147 for <aprssig@tapr.org>; Sun, 30 Apr 1995 19:48:13 -0500
Received: from wd6dod.ampr.org by citpac.gps.caltech.edu (JNOS1.10h) with SMTP id AA11617 ; Sun, 30 Apr 95 17:52:55 UTC

Date: Sun, 30 Apr 1995 17:46:36 -47900
From: Bob Lorenzini <wd6dod@wd6dod.ampr.org>
Subject: Re: [APRSSIG:956] Re: Bob, now yo...
To: aprssig@tapr.org
In-Reply-To: <950430201720_101971136@aol.com>
Message-ID: <Pine.3.89.9504301740.A154-0100000@wd6dod.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

much diatribe deleted

>> >I have been supporting APRS since nearly the beginning so lets not forget
>> >who the end user is...

> I move that we take up a collection and give the man back his money if
he's > an unsatisfied customer.. Any seconds?
>
> 73 de N9VJQ
>
> barry leonard

I will second that motion, but perhaps he was just having a bad hair day
and will offer an apology. After all he could go back to the previous
version as we all know that running the very latest is to be on the
"bleeding edge".

Bob - wd6dod
bobl@citpac.gps.caltech.edu